

EMPIRE STATE ARCHITECT



CONVENTION ISSUE

SEPTEMBER - OCTOBER

1950

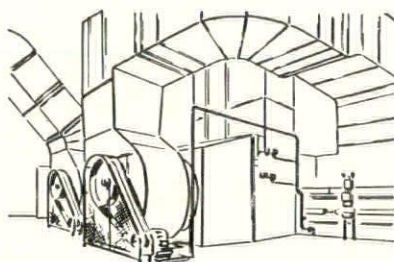
VOLUME X

NUMBER V

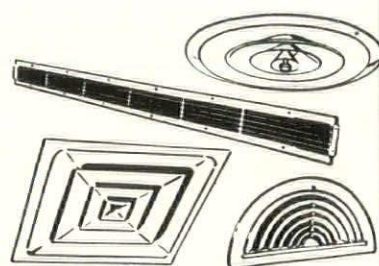
Remember these facts... and you'll always specify Anemostat Air Diffusers



ASPIRATION PRODUCES DRAFTLESS COMFORT—The famous Anemostat aspiration and air expansion principles, illustrated and described below, distinguish Anemostat Air Diffusers from all other outlets and therefore assure the utmost in conditioned comfort... *no drafts... no stale air pockets... temperature and humidity instantly equalized.*



SAVE ON DUCTS AND FANS—You save on the initial cost of fans and ducts... and on the operating cost of fans... when you use Anemostat Air Diffusers. That's because these aspirating air diffusers permit the use of higher temperature differentials and higher supply air velocities than ordinary air outlets.



A TYPE FOR EVERY NEED—Round, semi-circular, square and straight-line... low pressure or high pressure! For every requirement there is a type and size Anemostat Air Diffuser exactly suited to your need... whether your designs call for ceiling or wall outlets... whether for comfort conditioning or industrial applications.



SPEEDY INSTALLATION—Anemostat Air Diffusers can be installed quickly and economically because of snap-on, ball-and-socket and other time-and-labor-saving features, depending on the type of Anemostat.



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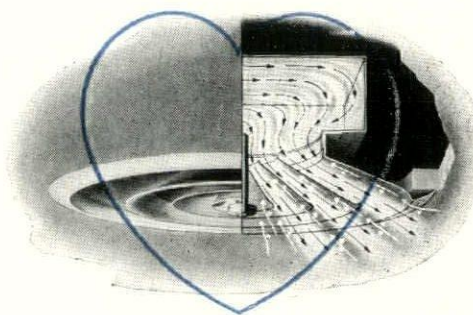
DRAFTLESS Aspirating AIR DIFFUSERS

There is no "or equal"

ANEMOSTAT CORPORATION OF AMERICA

10 EAST 39th STREET, NEW YORK 16, N. Y.

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THE HEART OF THE MATTER...

Anemostat's Exclusive Aspiration Effect

Due to its special design, the Anemostat distributes air of any duct velocity in a multiplicity of planes traveling in all directions. Simultaneously, the unit creates a series of countercurrents traveling toward the device which siphon into the device room air up to 35% of the supply air depending on the type and size of the unit. This room air is mixed with the supply air, within the Anemostat before the air mix-

PACE-SETTER in all a closet should be...

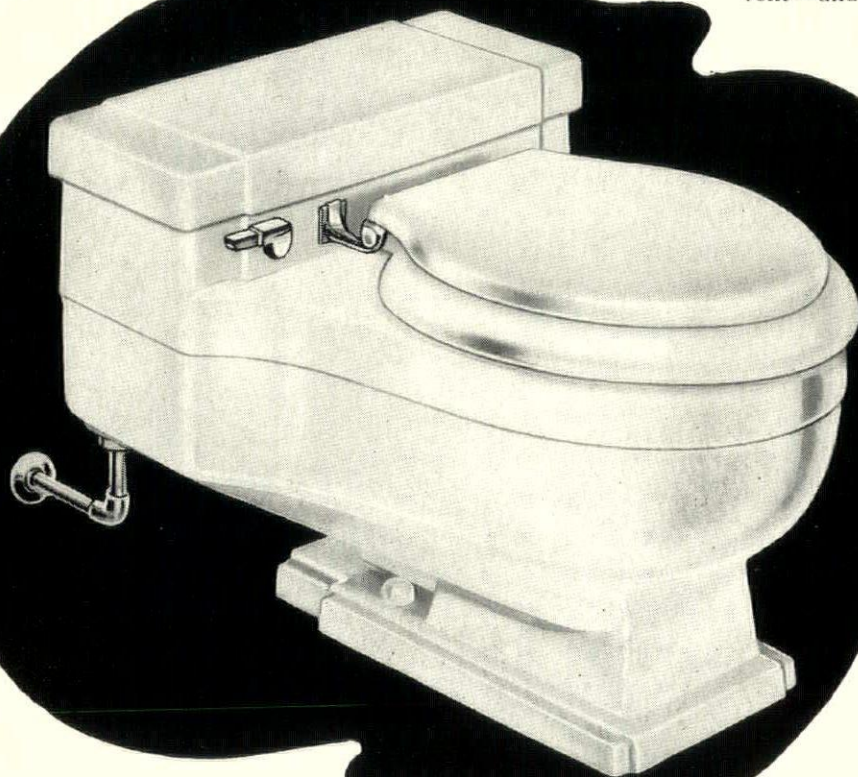
ONE-PIECE The modern style first sponsored by Case—with low-level integral tank...

NON-OVERFLOW In no other closet is prevention of overflow so completely developed...

QUIET The strong centrifugal rim flush and tank filling operations are exceptionally quiet...

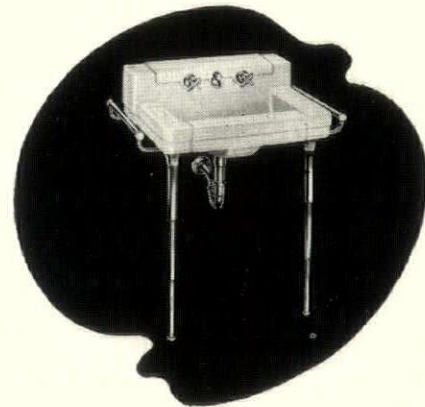
LOWER BOWL Another new idea—bowl is 14" high, in line with recent findings on posture...

SANITARY PROTECTION Water supply is safeguarded with china channel enclosing riser pipe—open atmospheric vent—and other special design features.



The New
Case
ONE
PIECE*

A MATCHING LAVATORY
in the same design motif is the new
Case Windell #785*.



Here is the perfect fixture for the house of today and tomorrow—a completely new model of a design that has been a favorite ever since Case first introduced the One-Piece Water Closet. In redesigning this fixture,

Case engineers and a nationally famous industrial designer have retained the best features of its predecessor and added important new Case developments. The result is the newest and mechanically the most advanced water closet ever offered to the architect, builder and contractor.

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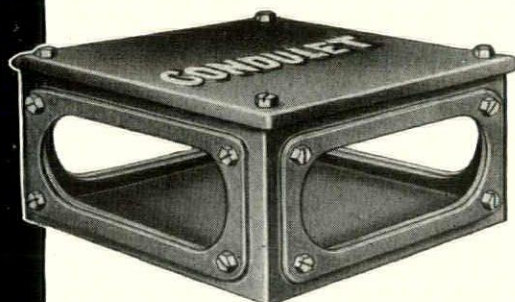
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EMPIRE STATE ARCHITECT

for MODERN WIRING layouts... the conduit and CONDULET* method gives YOU definite advantages!

FLEXIBILITY • PROTECTION • SAFETY • ECONOMY

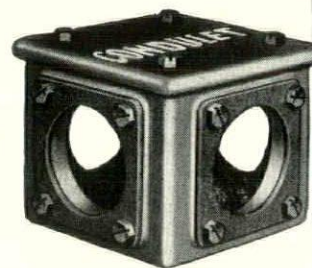
RS Series Junction Condulets take detachable hub plates with 1, 2, or 3 hubs for conduit from 1/2" to 3 1/2"



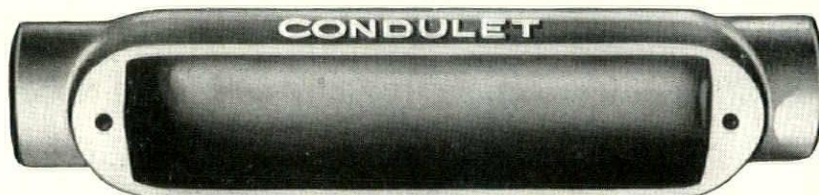
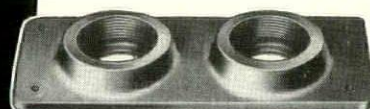
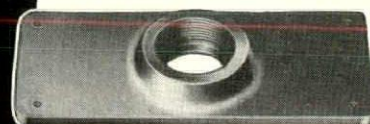
Type RS



Type RSM



Type RSS



*CONDULETS
are made only by
CROUSE-HINDS

Comparison of Size of 1 1/2" Obround, Form 8 and Mogul Condulets.

From the Condulets illustrated above it is readily seen why there can be so much flexibility in a conduit and Condulet wiring system. RS Series Condulets with detachable hub plates make it easy to change circuits or add new ones at any time. Form 8 or Mogul Condulets have larger bodies than Obround Condulets for the same size conduit, and provide extra space that may be required for splicing or pulling large conductors.

On your next electrical layout, whether modernization or new construction, plan to get all of the benefits of sturdy cast Feraloy Condulets and rigid conduit. There is a Condulet for every purpose. Thousands of types and sizes are listed in the Condulet catalog, including a complete explosion-proof and dust-tight line for use in hazardous locations. Send for your copy today.

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- ★ No Glass to Metal Contact
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The AlSCO Double-Hung Window has been thoroughly tested at the Pittsburgh Testing Laboratory for conformance to the requirements of Specification DH-A1 of the Aluminum Window Manufacturers Association. The window has satisfactorily met those requirements.

A Newly-Developed Line of Aluminum Windows for Residential and Commercial Installations, Made in the Following Styles:

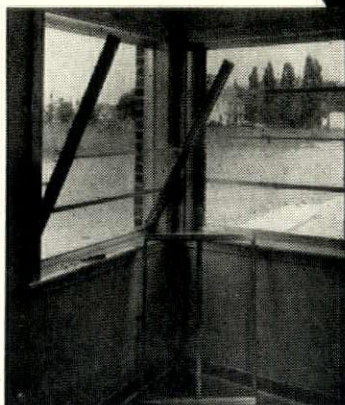
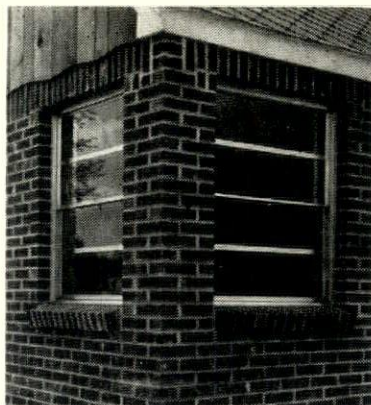
DOUBLE-HUNG

PICTURE WINDOWS

PICTURE WINDOWS WITH SLIDING SIDE UNITS

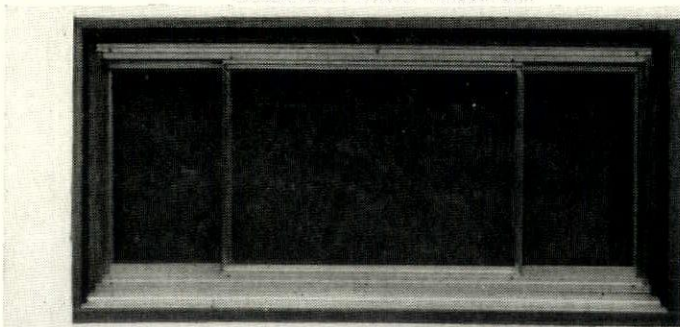


Picture Window with Double-Hung Side Units



Double-Hung Unit (Outside and Inside Views)

Double Slide Picture Window Unit



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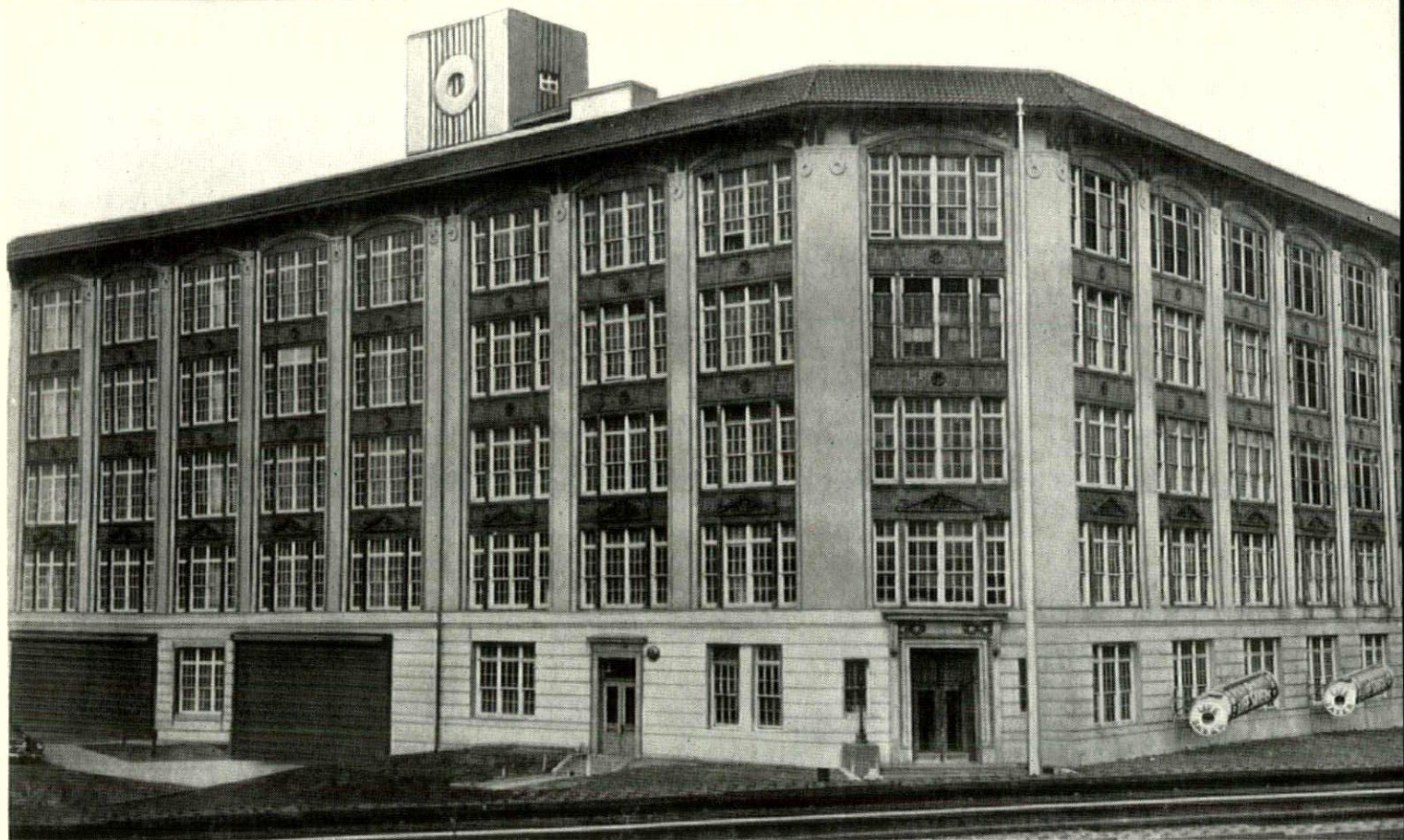
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all of New York City. Pozzoloth Concrete supplied by
Mamaroneck Sand & Stone Co., Mamaroneck, N. Y.

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PRODUCTS IN WHICH CEMENT
DISPERSION IS EMPLOYED**

EMBECO...

For non-shrink grouting and re-
integration.

MASTERPLATE..

For "iron-clad" concrete—in-
dustry's toughest floor. Non-
colored and 11 colors.

MASTERTEX...

Cement-base paint of low per-
meability for protecting and
decorating exterior and interior
surfaces of concrete and masonry

OMICRON MORTARPROOFING..

For tight brick walls. Provides
good workability with 15-20%
less water, correct water re-
tentivity. Contains stearate.

In Life Saver Plant — High Strength... Low Shrinkage with **POZZOLITH CONCRETE**

In this modern Life Saver building, as in many other structures totaling over six million cubic yards of Pozzoloth Concrete in 1949 alone, requirements of strength, density and low shrinkage were obtained with Pozzoloth, because of its cement dispersing and water reducing action.

Here strengths with Pozzoloth were considerably in excess of those needed. This made possible reduction of cement content.

Required strength, optimum air content, low permeability and minimum shrinkage of Pozzoloth Concrete assure great durability for exposed portions in this job.

Investigate Pozzoloth for your next job. Whatever your concrete requirements, they can be obtained *at lower cost with Pozzoloth than by any other means.*

Full information and booklet on request.

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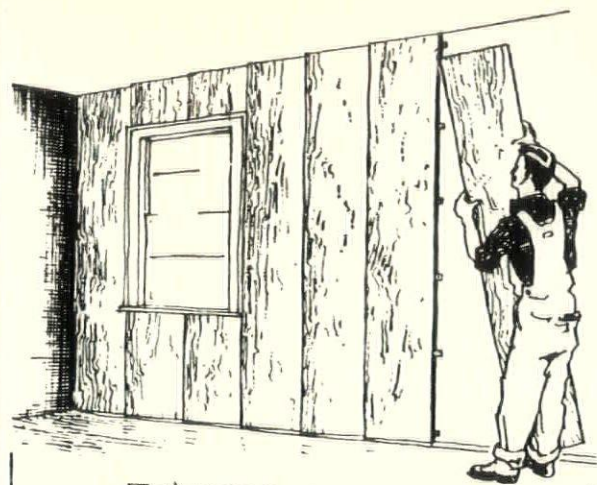
MASTER



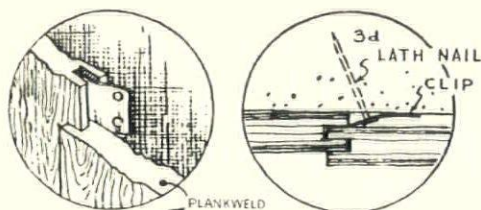
BUILDERS

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TORONTO, ONTARIO



Plankweld can be installed with the panels overlapping in either direction, left or right. After the first panel is installed by means of the special metal clips, the next is slipped into place, starting at the top as shown.



WORKING LEFT TO RIGHT

Presenting

PLANKWELD

—a new prefinished
Weldwood Plywood
now available in low-cost,
easily handled panels.

Rapid installation and elimination of all
finishing costs makes Plankweld the low-
est cost hardwood paneling now available.



Development builders have been able to install Plankweld walls at very slight additional cost over walls of conventional materials. Photo shows living room of typical Tandy and Allen "Saddle Ranch" Home, Hillside, New Jersey. Every living room in this huge development featured a Plankweld wall.

DESCRIPTION

Construction: $\frac{1}{4}$ " plywood, 3-ply, on hardwood cores.
Grooved on two long edges.

Wood species: Sliced Oak and Birch.

Size: $16\frac{1}{4}$ " wide by 8 ft. long.

Finish: Prefinished at mill; "pickled" lacquer
finish, 3 coats, final coat hand-rubbed.

Packing: 10 panels per carton; necessary instal-
lation clips included in each carton.

FEATURES

No additional finishing; panels are ready for erection.

Plankweld is removable.

Quick installation; panels easily handled.

Special clips eliminate practically all face-nailing.

Can be installed over old plaster or other walls with-
out furring strips.

Fits on 16" studs in new construction.

Provides attractive shadow lines.

May be used vertically or horizontally.

Plankweld, either full width or ripped, can be used
for base, ceiling molding, and other trim.

HOW TO SPECIFY:

Birch (or Sliced Oak) Plankweld paneling, as man-
ufactured by United States Plywood Corporation.

Installation folder with further information on re-
quest. Please use coupon.

PLANKWELD®



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INDIANA LIMESTONE



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A THING OF BEAUTY deserves the finest medium of expression . . . and in building materials that's Indiana Limestone. Not only does it offer incomparable beauty in color and texture, but it is relatively less expensive. This means a practical level of economy, for those decorative elements which mean so much in your building designs.



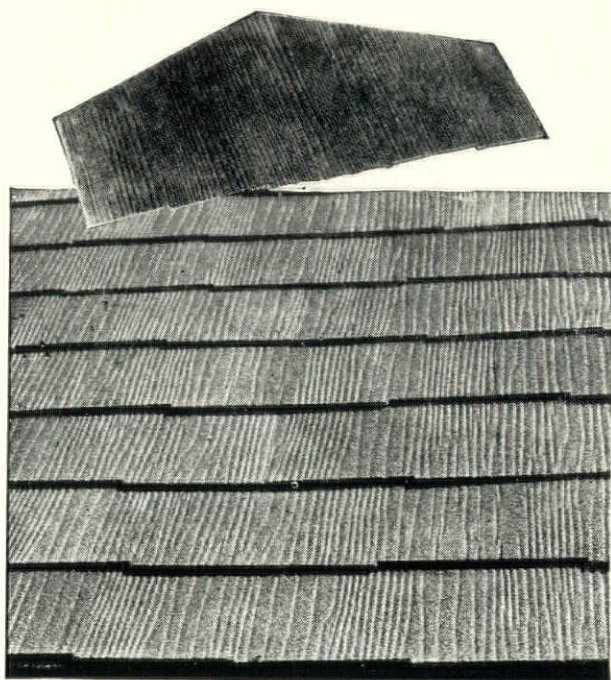
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BEDFORD, INDIANA

Johns-Manville ASBESTOS ROOF SHINGLES

... American Colonial design ... beautiful ... easy to apply



SELLING POINTS

- **Fireproof**—Asbestos cannot burn
- **Weatherproof**—Won't rot or rust, curl or split
- **Permanence of stone**
- **Large coverage**—Only 80 pieces per square
- **Automatic alignment**—Easy nailing
- **Lowest cost per year of service**
- **Beautiful colors**—Distinctive appearance
- **The name Johns-Manville assures quality**

• American Colonials (No. 607) are rigid roofing shingles made of asbestos fibres and Portland cement. Each shingle is actually a strip equivalent to 5 ordinary shingles. The unique shape makes spacing and alignment automatic.

Only 4 nails per shingle, in pre-punched holes, are needed. Where cutting is necessary a shingle cutter does the job right on the roof. Any carpenter or roofer can apply them.

They come in attractive colors with a pressed-in cedargrain texture and staggered butts. Hip and Ridge Shingles to match are available.

DATA

Size—30" long x 14" (at greatest width); uniform thickness.

Finish—Cedargrain texture; staggered butts.

Colors—Black Blend; Green Blend; Weathered Green Blend; Brown Blend; Red Blend; Touraine Red Blend; Natural Gray.

Application—6" exposure; 2" minimum head-lap; 80 shingles per square.

Packaging—1/5 square per bundle.

Weight—300 lbs. approx. per square (280 lbs. approx. for Natural Gray).

Accessories—Starters (No. 636) and Hip and Ridge Shingles (No. 697) in matching colors. Order by lineal feet.

WHERE TO USE

Recommended for sloping roofs with a pitch of 5" or more. Used on new construction or for re-roofing right over old roofs.

Address: Johns-Manville, Box 290, New York 16, N. Y.



Mr. Architect, Anchor Thanks You

*FOR THE FINE RECOGNITION YOU HAVE ACCORDED
FLEXICORE DURING THE PAST YEARS.*

We thank you for having specified several million square feet of FLEXICORE pre-cast, pre-stressed floor and roof slabs during the past five years.

We are deeply appreciative that you have recognized the many fine advantages of FLEXICORE . . . that it reduces to a minimum the requirements for structural steel . . . that it is permanent . . . that it is firesafe. . .

FLEXICORE allows a 4" to 6" saving in height of walls, per floor, over commonly used joist type of construction. FLEXICORE long span slabs eliminate the need for plastering because of their smooth undersurface . . . a big saving in itself.

FLEXICORE helps speed construction by eliminating a step in the building operation . . . FLEXICORE slabs may be lifted directly into place from the delivery truck.

Many nationally-known firms are FLEXICORE users. Here are just a few of the many important users in the area served by Anchor Concrete Products, Inc.:

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Nickle Plate Railroad

(Flexicore is made in 14 plants in the United States and Puerto Rico, has innumerable nationally-known users.)

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Celocrete and Concrete Blocks
Strestcrete pre-cast concrete floor and roof slabs

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Dur-O-Wall reinforcement for concrete masonry walls.
Medusa Portland Cement Paint, for concrete wall surfaces.
Medusa Floor Coating, for concrete floors.
For more information about Anchor Concrete Products write:

ANCHOR CONCRETE PRODUCTS INC.

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BUFFALO 6, N. Y.



Empire State Architect

THE OFFICIAL PUBLICATION

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NEWS OF THE PROFESSION

Five Scholarships Offered to Architectural Students

Mr. Vito P. Battista, Director of the Institute of Design and Construction, 26 Court St., Brooklyn, has announced the establishment of five scholarships valued at \$500.00 each for students attending public, parochial and private schools in the City of New York. The scholarships will apply toward tuition at any university in the United States.

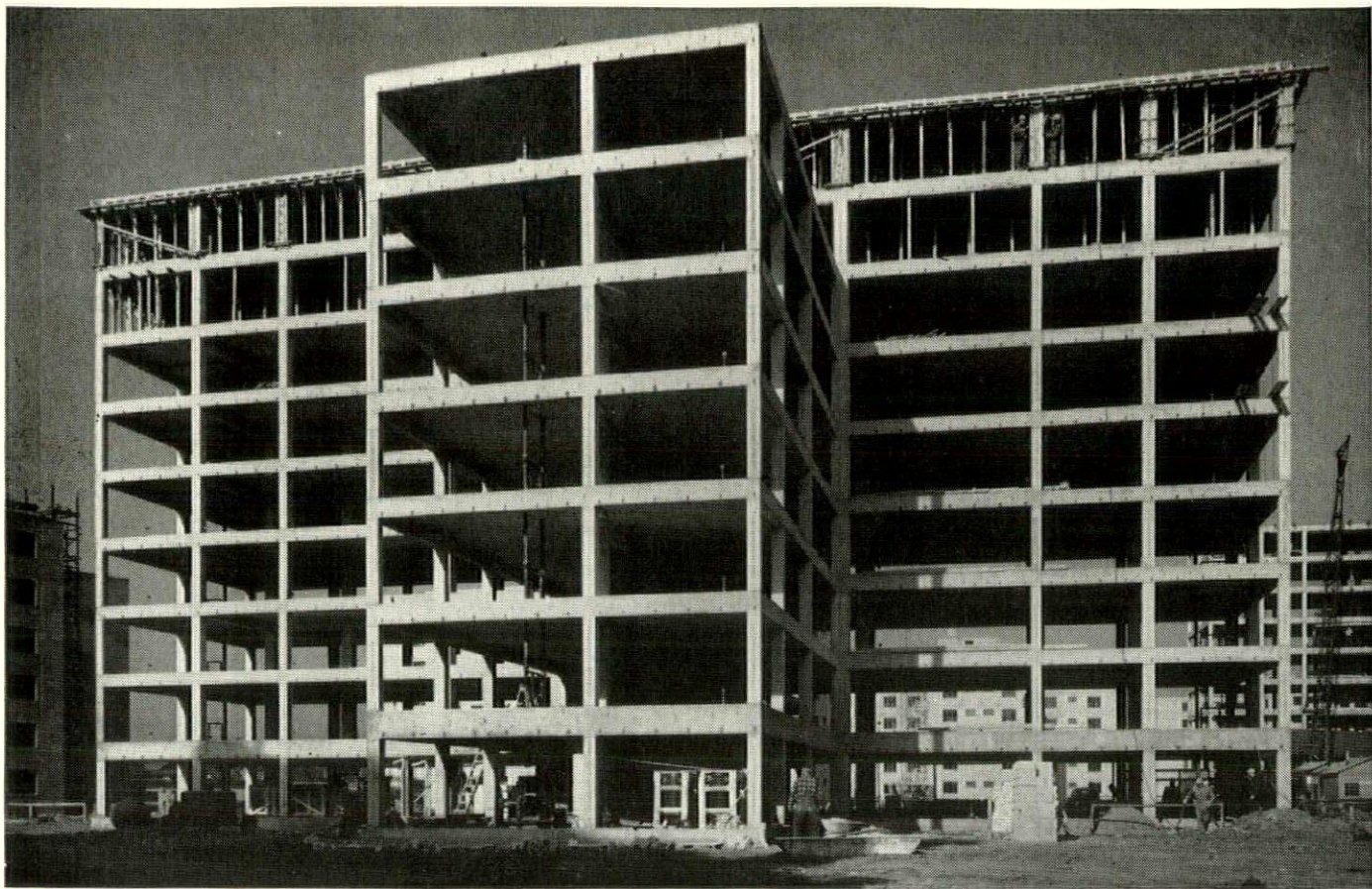
Henry V. Murphy, President of the New York State Association of Architects has accepted the Honorary Chairmanship of the committee for an Institute sponsored dinner to be held October 14 at Hotel Towers, New York. A detailed announcement of the scholarship plans will be made at the dinner.

Said Mr. Battista, "In my many years as an instructor and architectural consultant, I have seen talented students drop out because of the inability to pay for their university training. I have discussed the matter with educators and leaders in the field of architecture and the establishment of the scholarship plan is the outcome of those discussions. We shall commence with five scholarships and hope to extend the scope of the plan from year to year."

Columbia Appoints Consultant in Hospital Architecture

Dean Leopold Arnaud of Columbia University announces the appointment of Isadore Rosenfield, New York City architect and hospital consultant as a visiting critic in graduate design at the School of Architecture. Mr. Rosenfield will teach at the University's winter session which began in September.

(Continued on Page 52.)



Get 3 **PLUS** Features by Building with **CONCRETE FRAMES AND FLOORS**

REINFORCED concrete frame and floor construction offers three important *plus* features to architects, engineers, contractors, owners and investors.

First, concrete frames and floors effect substantial savings in construction costs. This type of construction can lower the cost of frames and floors from 25% to 40% under the cost of other types of construction.

Second, concrete frames and floors save construction time. Inasmuch as frame and floor construction proceeds together as a unit, the masons, plumbers, electricians and other tradesmen can do their part of the job as the structural work progresses.

Third, concrete frames and floors allow maximum latitude in design. There is a concrete floor system to meet every occupancy requirement. Partitions can be placed where they are most desirable because framing can be adapted to any architectural layout. Concrete frames and floors can be designed for any

structural requirement or for any type of job. They are ideally adapted to schools, hospitals, apartments, hotels, factories, stores and office buildings.

Dearborn Homes (above) in Chicago on State Street between 26th and 30th Streets is a typical example of concrete frame and floor construction. This apartment project consists of 800 units in 16 buildings. Four buildings are 9 stories and 12 are 6 stories in height. Loeb, Schlossman & Bennett are the architects, Frank A. Randall & Sons the structural engineers and S. N. Nielsen Co. the contractor.

Our technical staff will gladly help architects and engineers attain the highest quality concrete and the maximum structural advantages of reinforced concrete construction for any building project.

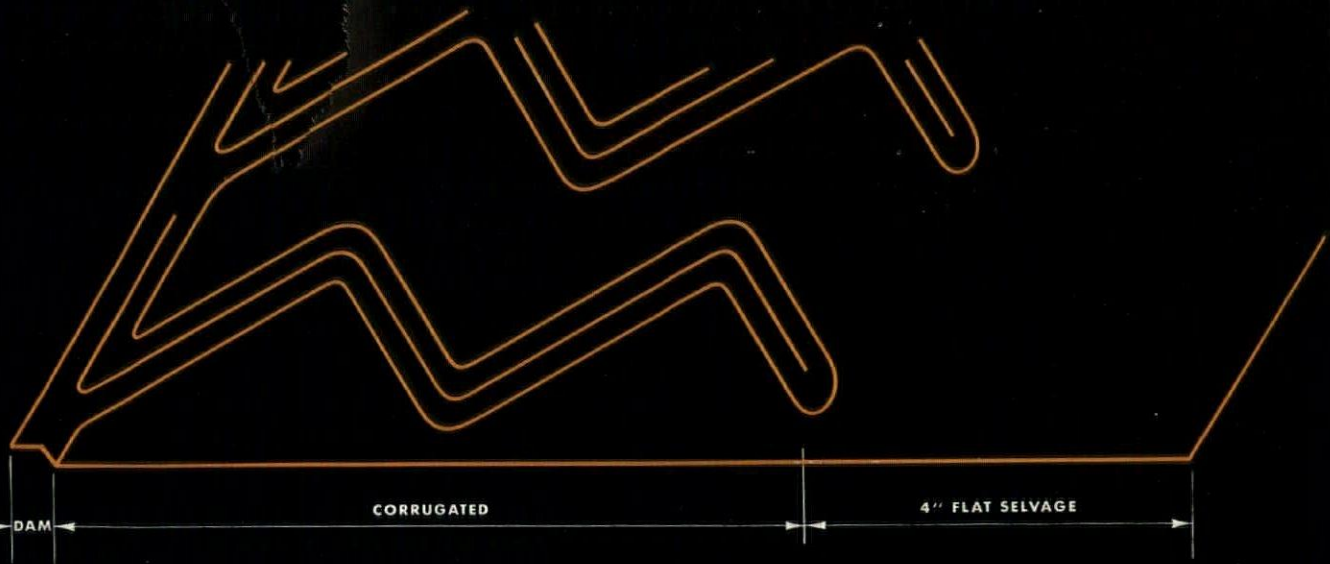
Write for two free booklets: "*Continuity in Concrete Building Frames*" and "*Handbook of Frame Constants*." Distributed only in the U.S. and Canada.

P O R T L A N D C E M E N T A S S O C I A T I O N

347 MADISON AVENUE, NEW YORK 17, N. Y.

A national organization to improve and extend the uses of portland cement and concrete through scientific research and engineering field work

For a neat job of through-wall and counter flashing



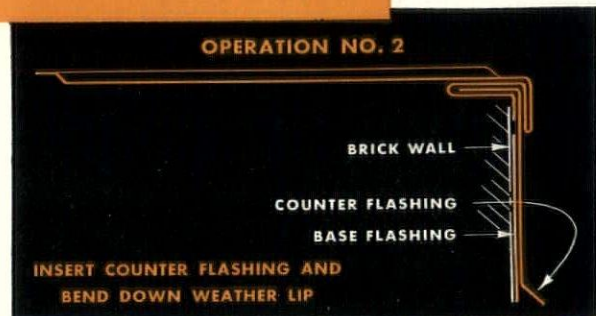
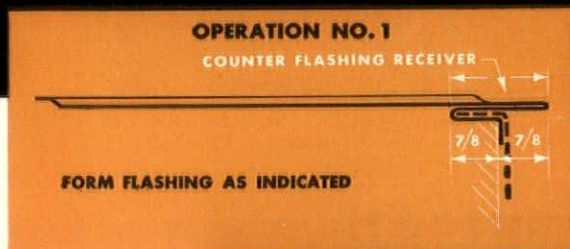
with ANACONDA Through-Wall Flashing

Heretofore, the usual practice has been to tuck metal counter flashing into the mortar joints of a parapet wall and raise the exposed portion of the counter flashing in order to install the base flashing, then bend it down again to make the job storm-tight.

That's outmoded. Outdated. And needlessly expensive. Besides, you simply can't get a neat job that way. The metal, when bent down and up, cannot be made to lie snugly against the wall.

ANACONDA Through-Wall Flashing has a plain selvage that makes installation of the counter flashing neat, fast and simple. Incidentally, no other through-wall flashing has this feature.

With ANACONDA Through-Wall Flashing two easy operations do the trick as shown in these drawings.



Information on ANACONDA Through-Wall Flashing and procedures for installation are detailed in Publication C-28. A copy will be forwarded upon request. Address The American Brass Company, Waterbury 20, Connecticut. Buffalo Branch, 70 Sayre Street. District Offices in Buffalo, New York City, Rochester and Syracuse.

5003A



You can build it better with **ANACONDA®**

THROUGH-WALL FLASHING



American Bodiform Chairs in the galleries of the Senate Chamber, New York State Capitol, Albany, New York. Cornelius J. White, State Architect; Associate Architect: Office of Marcus T. Reynolds, Albany, N. Y.

AMERICAN BODIFORM CHAIRS

earn praise everywhere

To architects, our Seating Engineers offer a world of valuable experience and useful data in the highly specialized field of auditorium seating.

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ARTHUR H. WICKS
TEMPORARY PRESIDENT
MAJORITY LEADER

THE SENATE
STATE OF NEW YORK
ALBANY

April 19, 1950

Henry F. Schaefer, Manager
American Seating Company
935 West Genesee Street
Syracuse, New York

Dear Sir:

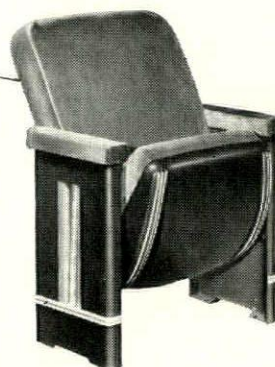
As you know, the Senate Chamber in the Capitol in Albany was completely renovated in time for the 1950 session of the Legislature. One of the major improvements made as part of this renovation was the reseating of the galleries on either side of the Chamber.

The Bodiform chairs installed in the galleries by your company have met with widespread approval and praise from members of the Senate, other state officials, spectators and members of the press. The chairs are luxurious in appearance and add to the beauty of the surroundings in have been found to be perfectly comfortable. Due to the self-folding feature, the chairs permit entering and leaving the rows with maximum ease and with minimum inconvenience to persons seated.

I would like to take this opportunity of thanking your representatives for their splendid performance in making this installation which has contributed in a great degree in making the Senate Chamber of the State of New York one of the most beautiful legislative chambers in the world.

Sincerely yours,

A. H. Wicks
A. H. Wicks



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AUDITORIUM CHAIR NO. 12-870 WITH
NO. 111 AISLE STANDARD.



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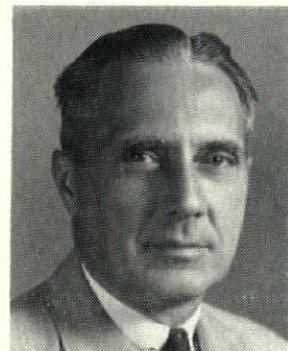
W. Briggs



Matthew W. Del Gaudio



Charles R. Ellis



James Wm. Kidney



Maxwell A. Cantor



orton Wolfe



Harry M. Prince



S. Elmer Chambers



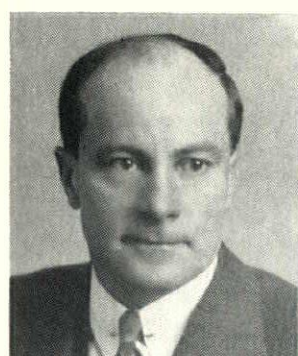
George A. Boehm



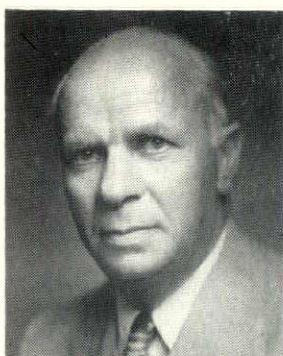
Leonard A. Waasdorp



L. Blatner



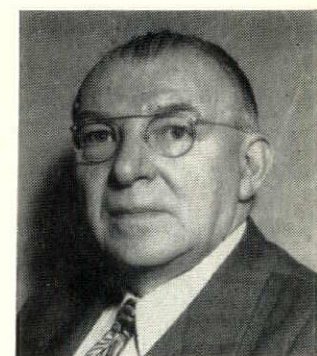
James Whitford, Jr.



Morris B. Adler



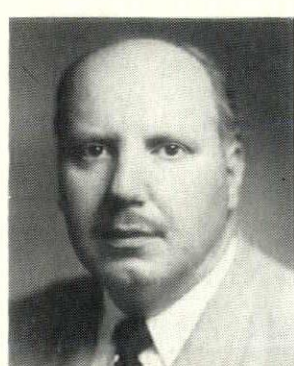
Martyn Weston



Charels S. Ward



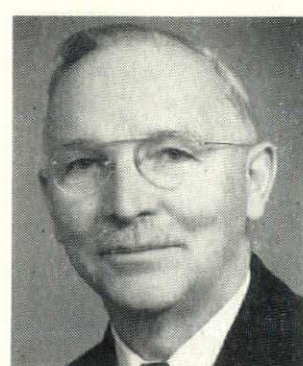
Elden Koch



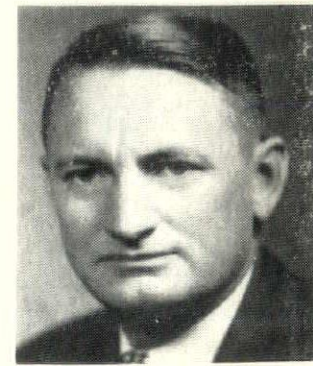
Victor V. Martelli



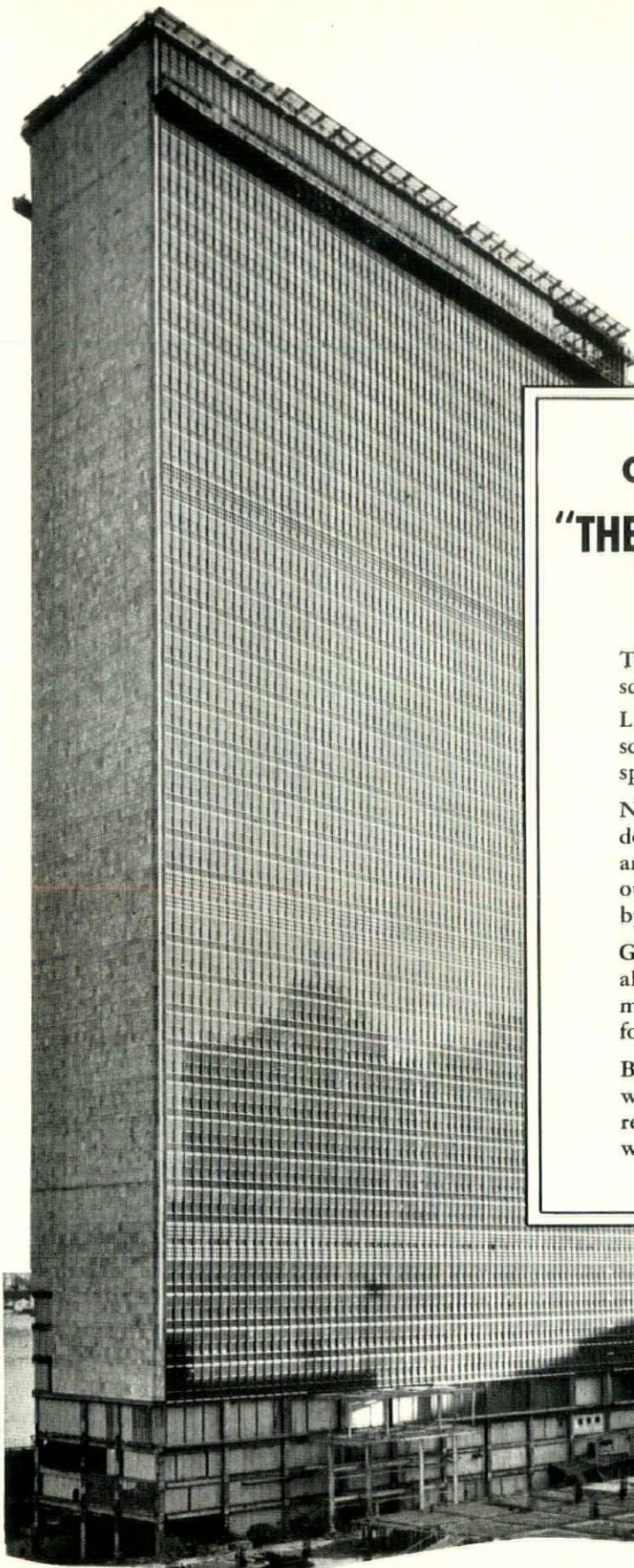
Irving Seelig



C. Storrs Barrows



Donald O. Faragher



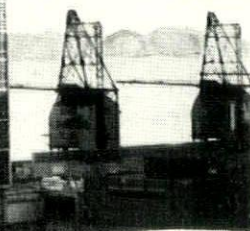
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(280 ft. wide x 500 ft. high)

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● Architects: United Nations Board of Design Consultants
Wallace K. Harrison, Director of Planning
Contractor: Fuller-Turner-Walsh-Slatery, Inc.

GENERAL BRONZE CORPORATION

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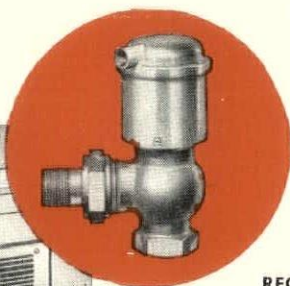
space-saving **PISTON** Control Valves

for convectors and other confined spaces

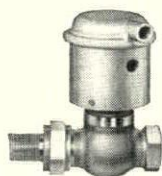
THE MODERN TREND with heating units is to hide them away. Connection to convectors and other concealed heaters must be made in such restricted spaces that there simply isn't room for ordinary temperature control valves.

Piston Valves in the famous Johnson line are small, compact and rugged, especially designed for installation in confined spaces.

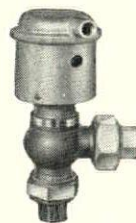
A wide selection of body patterns makes Johnson Piston Valves adaptable to almost any type of piping connection.



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UNION OUTLET
GLOBE



REVERSE FLOW
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Moulded split-ring packings, especially compounded for low pressure steam, insure long life with minimum attention. Easily accessible for adjustment or repacking.

FOR WATER

Unique V-ring, self-sealing packing utilizes the force of the water pressure to effect a positive seal. (Automatically compensates for changes in water pressure.)

No initial manual adjustment is required. No need for servicing. Prevents leakage, regardless of the elevation at which the valves are installed.

Johnson Piston Valves embody the same distinctive features of design which, for many years, have made Johnson Piston operators unique in their field. Send for Bulletin V-160 which describes this new line of space-saving valves.

For information on any automatic tem-

perature control problem—large or small—ask a nearby Johnson engineer. His advice and counsel are yours without obligation. This is a Johnson courtesy. **JOHNSON SERVICE COMPANY**, Milwaukee 2, Wisconsin. Direct Branch Offices in Principal Cities.

JOHNSON *Automatic Temperature and Air Conditioning* **CONTROL**
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AMERICAN-Standard

First in heating . . . first in plumbing

Cincinnati's new Terrace Plaza Hotel selects **AMERICAN-Standard Plumbing Fixtures**

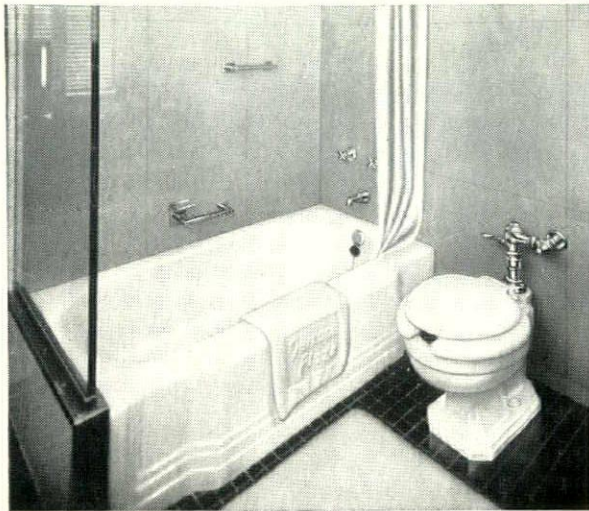
■ To the long, growing list of the nation's outstanding buildings having American-Standard Plumbing Fixtures, add Cincinnati's newest hotel, the Terrace Plaza.

Here the choice of American-Standard products offered a double advantage.

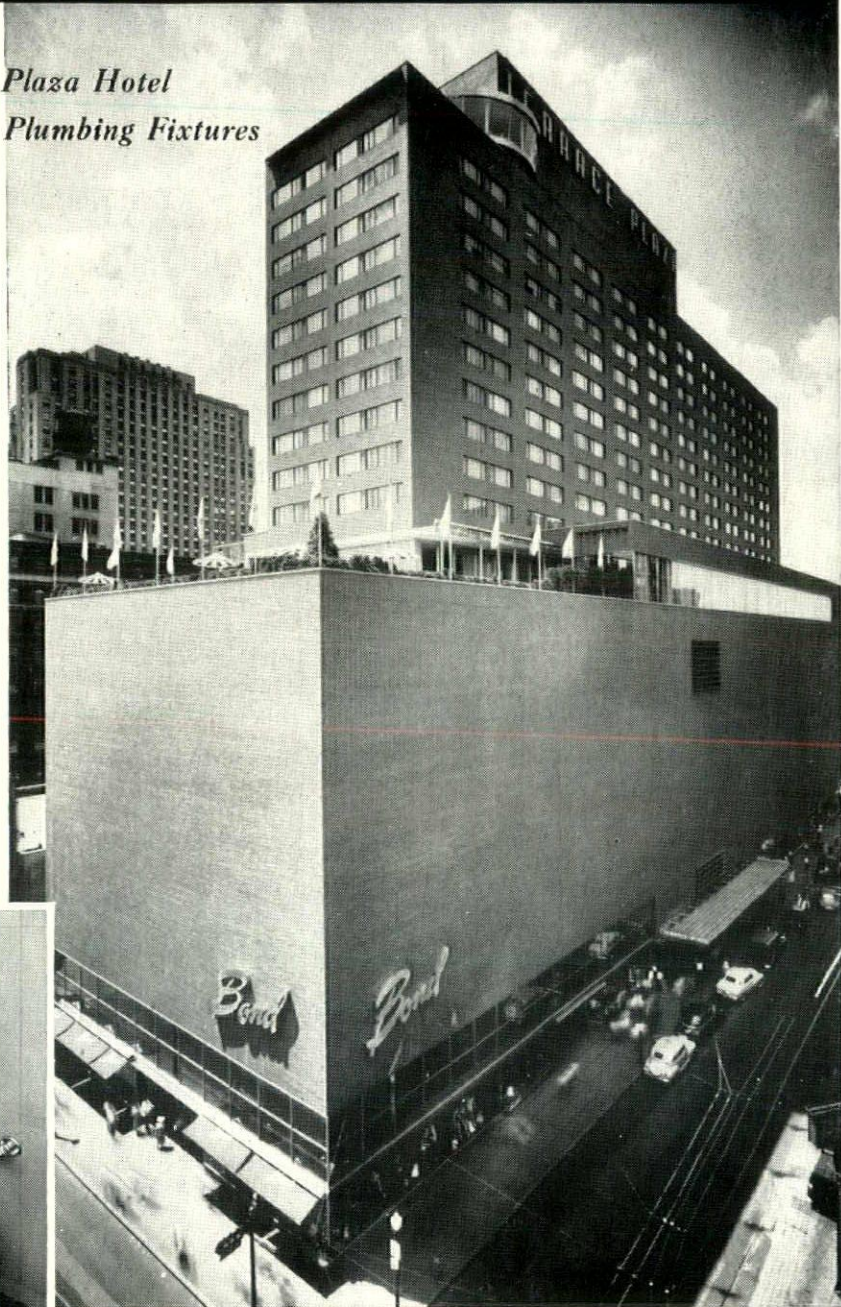
First, because of the many different styles, sizes and colors offered, the architects had the widest latitude in designing each of the distinctive bathrooms for the 324 luxurious rooms and suites in this ultra modern hotel.

And, secondly, by making it American-Standard "all the way," the owners were assured of uniform quality throughout the entire installation . . . quality that would be reflected not only in the smart styling of the fixtures, but also in their long, trouble-free service.

For details about the complete line of plumbing fixtures, as well as information about American-Standard Heating Equipment, consult your Heating and Plumbing Contractor. **American Radiator & Standard Sanitary Corporation, P. O. Box 1226, Pittsburgh 30, Pennsylvania.**



It's no problem to keep this bathroom clean. The roomy **MASTER PEMBROKE BATH** has a smooth, heavy coating of acid-resisting enamel on durable cast iron. And the quiet **AFTON WATER CLOSET** is made of genuine vitreous china. Both fixtures harmonize with the hotel's distinctive atmosphere.

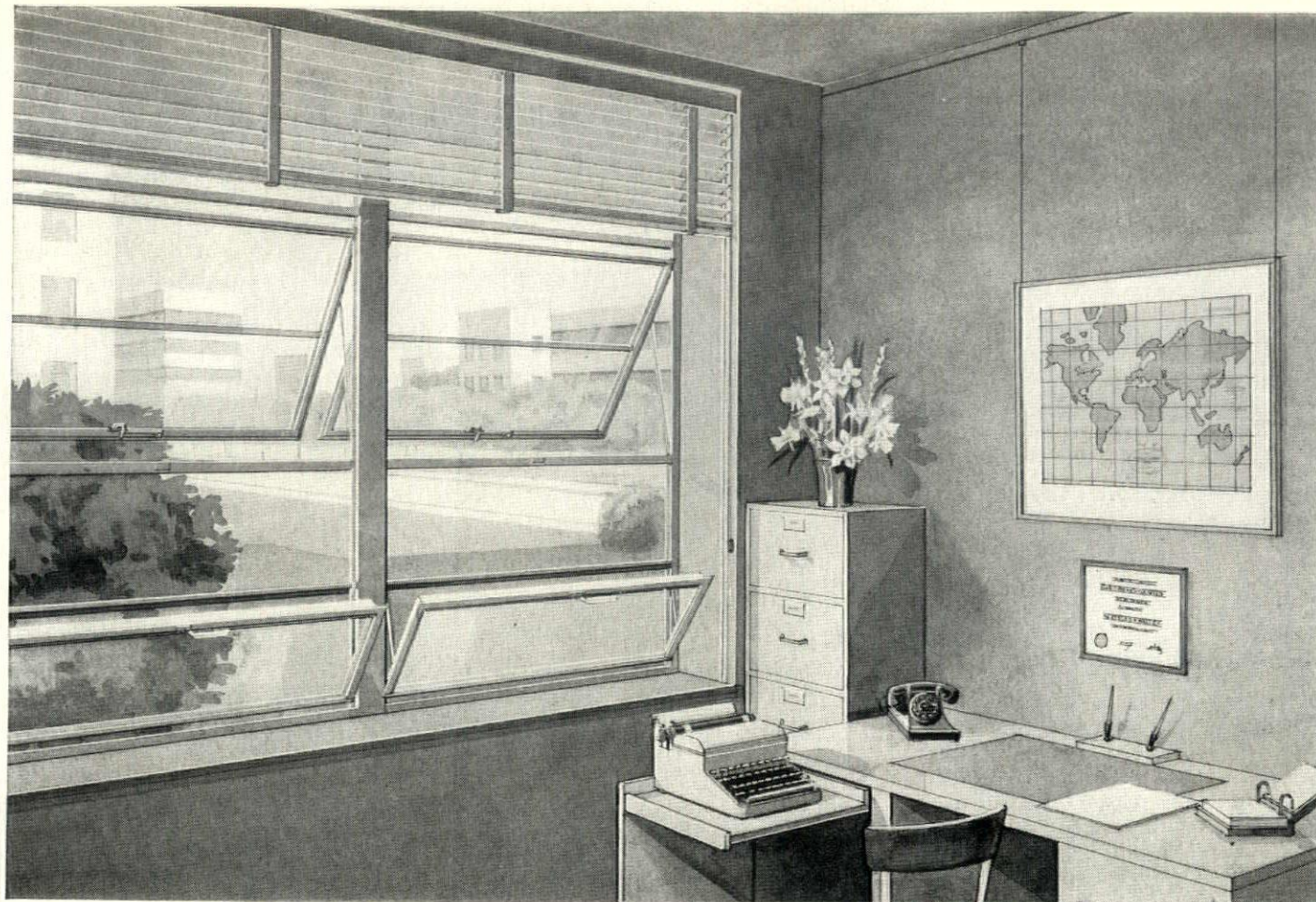


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Jaros, Baum & Bolles—Engineers
Frank Messer & Sons, Inc., Cincinnati—General Contractors
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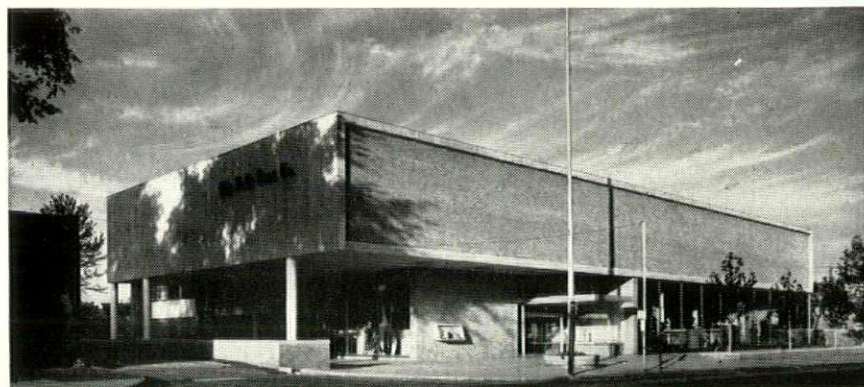
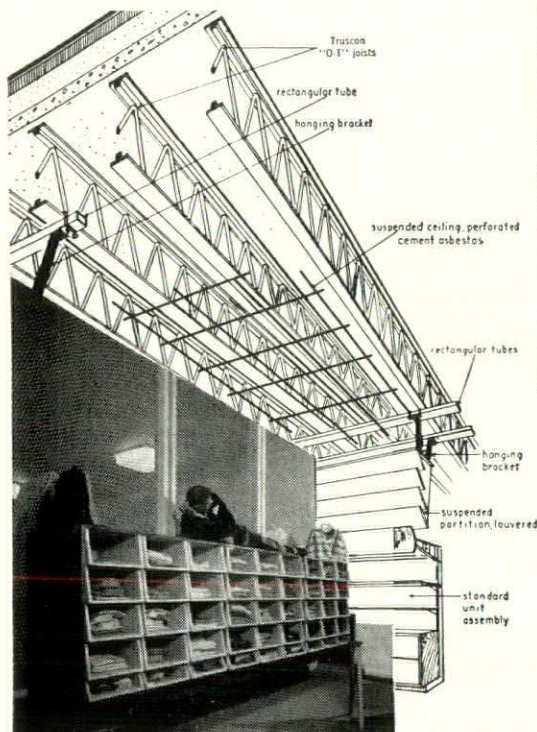
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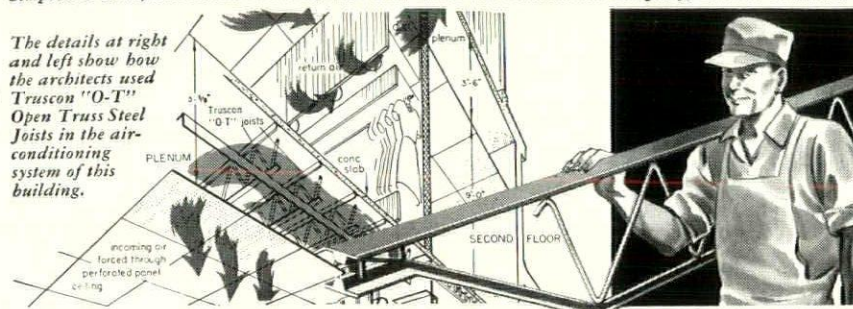
TRUSCON "O-T" Open Truss STEEL JOISTS

multiple purpose...



Halle Bros. Co. new Shaker Square store, Cleveland, Ohio, using Truscon "O-T" Steel Joists. Conrad, Hays, Simpson & Ruth, and Robert A. Little, Architects. Cleveland Construction Company, General Contractor

The details at right and left show how the architects used Truscon "O-T" Open Truss Steel Joists in the air-conditioning system of this building.



Space around "O-T" Joists is used as plenum chamber and faced with perforated panels.

One man handles "O-T" Joists.

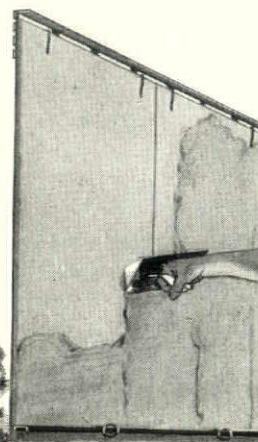
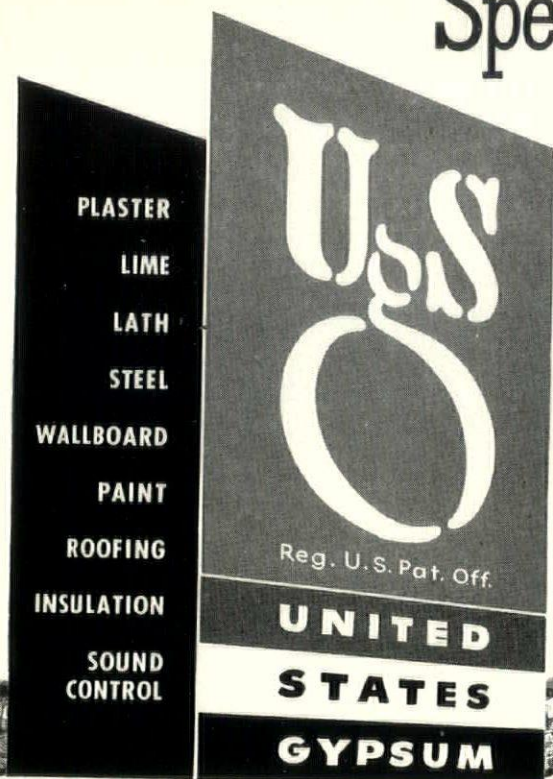
for multiple economies

These strong, light joists are adaptable to all types of building construction . . . office buildings, industrial structures, schools, hospitals, apartments, residences, stores . . . bringing eight outstanding advantages to these structures. **LIGHT WEIGHT** permits quick, convenient handling and placement. **ECONOMICAL** through savings in supporting framework and foundations; speed of erection; insurance; maintenance. **PIPE AND CONDUIT** easily installed through open web. **FIRE-RESISTANT** because built of incombustible materials. **VERMIN RESISTANT** because steel is impregnable to insect and animal life. **RADIANT HEATING** possible through unobstructed flow of heat. **SOUND-RESISTANT** through dead air space and built-up materials. **ALL-WEATHER CONSTRUCTION** because these joists are not dependent on setting concrete. **FACTORY-MARKED** to fit construction plans. Write for free illustrated literature.

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Subsidiary of Republic Steel Corporation
YOUNGSTOWN 1, OHIO
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Strong, fire-resistant partitions that require minimum floor space.

SOLUTION:

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Whether you're designing a wall, ceiling, or partition—whether you're considering insulation, sound control, roofing, paint, or steel—you'll find almost any requirement answered by the vast array of U.S.G. products.

These products are developed and tested with scientific care in one of the country's finest research laboratories. Through every stage of manufacture, they are quality controlled by extremely rigid inspection.

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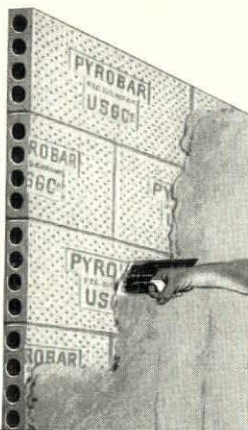
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*T. M. Reg. U. S. Pat. Off.

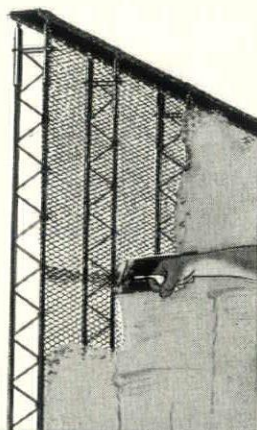


REQUIREMENT:

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SOLUTION:

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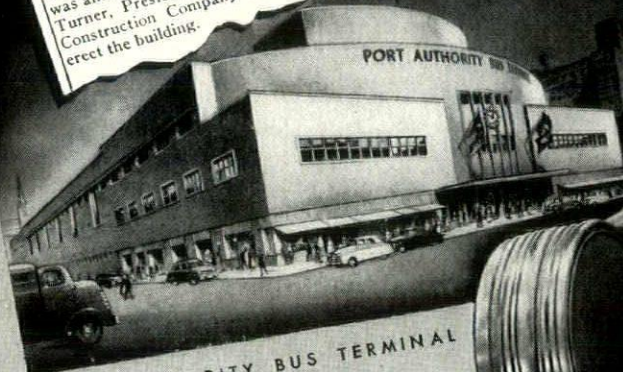
SOLUTION:

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Port Authority Bus Terminal To Have 31 Moving Stairways

NEW YORK, Jan. 7.—The largest single contract in the history of the moving stairway business has been awarded to the Peelle Company of Brooklyn, providing for all vertical transportation in the new Port Authority Bus Terminal. Signing of this \$700,000.00 contract was announced yesterday by H. C. Turner, President of the Turner Construction Company who will erect the building.

The \$24,000,000.00 Bus Terminal, which will be the largest and most modern in the world, will have thirty-one all metal moving stairways. The B-32 Peelle Motorstair is the unit selected for one of the largest traffic moving projects ever planned.



PORT AUTHORITY BUS TERMINAL
NEW YORK CITY

WORLD'S LARGEST MOVING
STAIRWAY CONTRACT CALLS FOR... **31**
PEELLE MOTORSTAIRS!



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IMPROVED**

**UNIT
HEATERS**

Janitrol
GAS-FIRED
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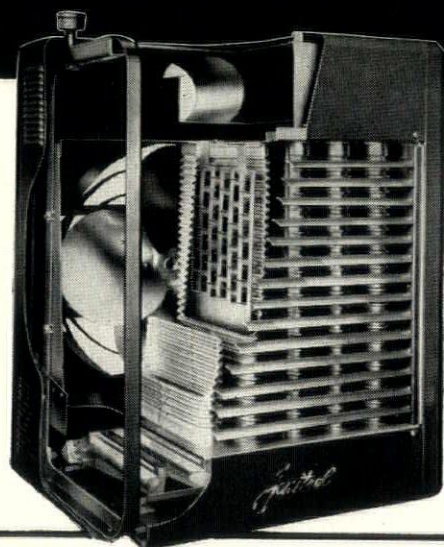
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★ PROVEN
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A. G. A. Approved for all gases including L. P.



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This policy of analyzing all practical heating requirements first has resulted in equipment with far greater user

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In most cases Janitrols will be found to be more compact and to provide more headroom than other equipment. Write today for complete specifications and installation data.

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★ **Improved, Long-Life Tubular Heat Exchangers:** High efficiency of Janitrol's unique design makes possible extreme compactness. Interior suspended alloy steel turbulators accelerate heat transfer. Improved vertical design mini-

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★ **Improved, Automatic Pilot:** New actuating lever and switch design assures long life, positive operation. While pilot is more positively positioned, assembly can be removed in a few seconds.

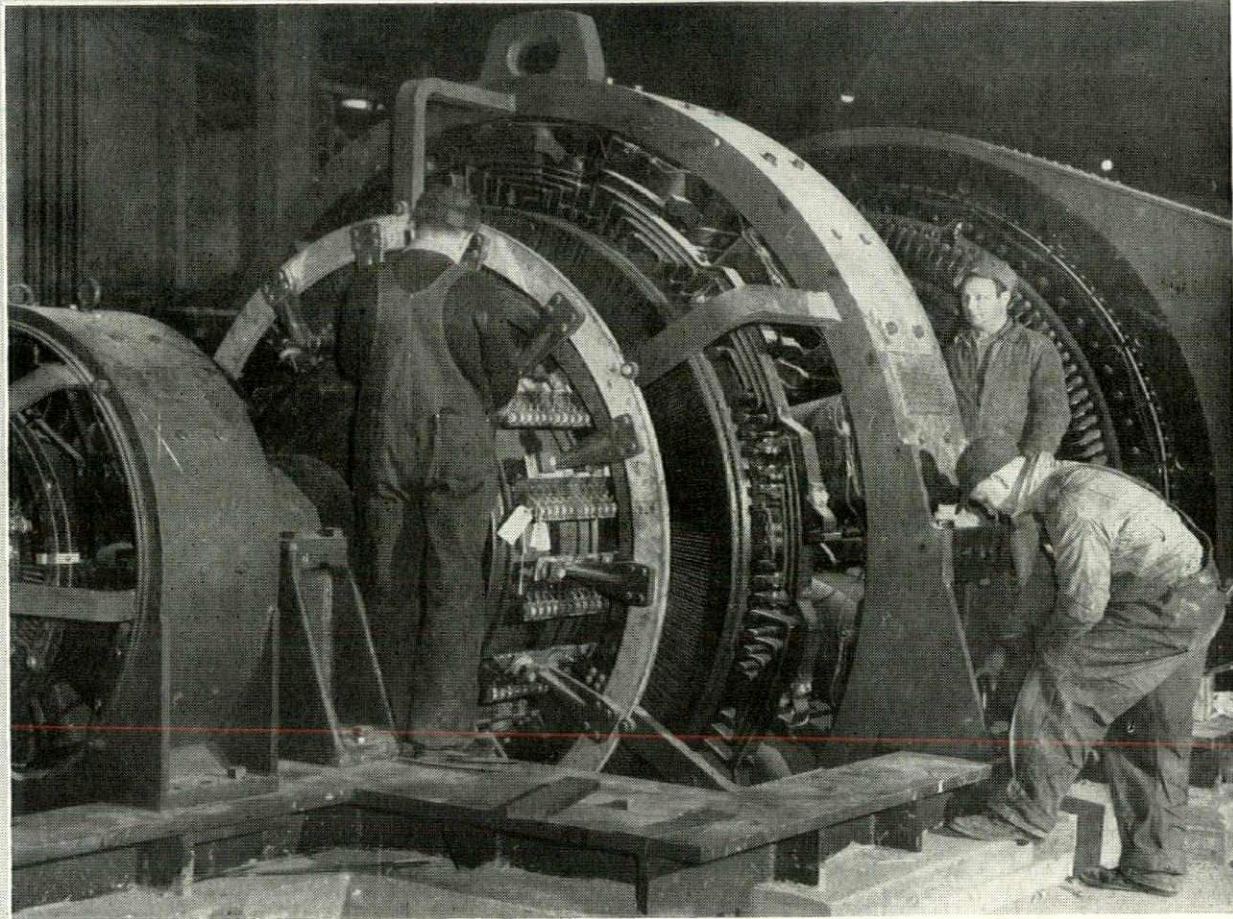
★ **Combination Fan and Limit Control:** Only Janitrol provides dual overheat safeguard as standard equipment, in case of stuck gas valve fan continues to dissipate heat preventing damage to unit or adjacent area.

★ **Motor and Fan Assembly:** Resilient mountings minimize vibration and noise. Overlapping blade type fans provide maximum air velocity with quiet operation. Direct-a-Flow housing provides uniform airflow over entire unit.

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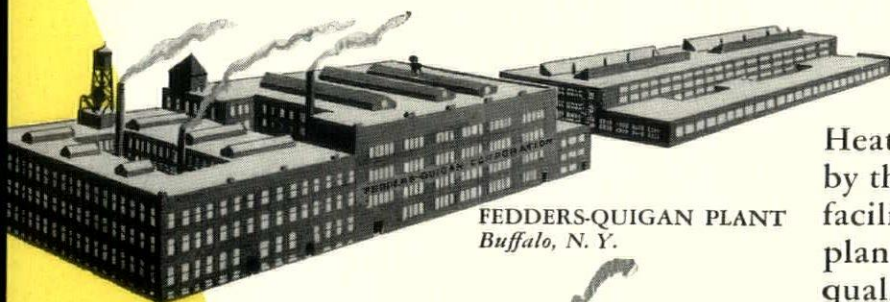
WASHINGTON 4420



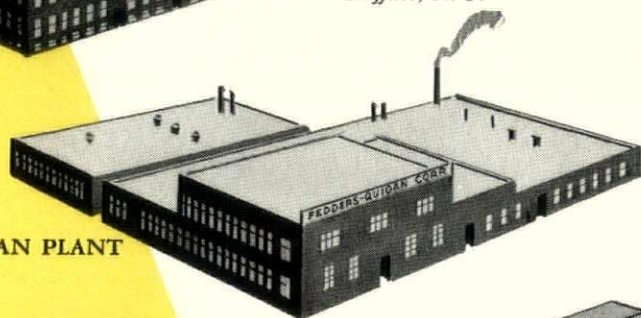
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MAKES HEATING EQUIPMENT

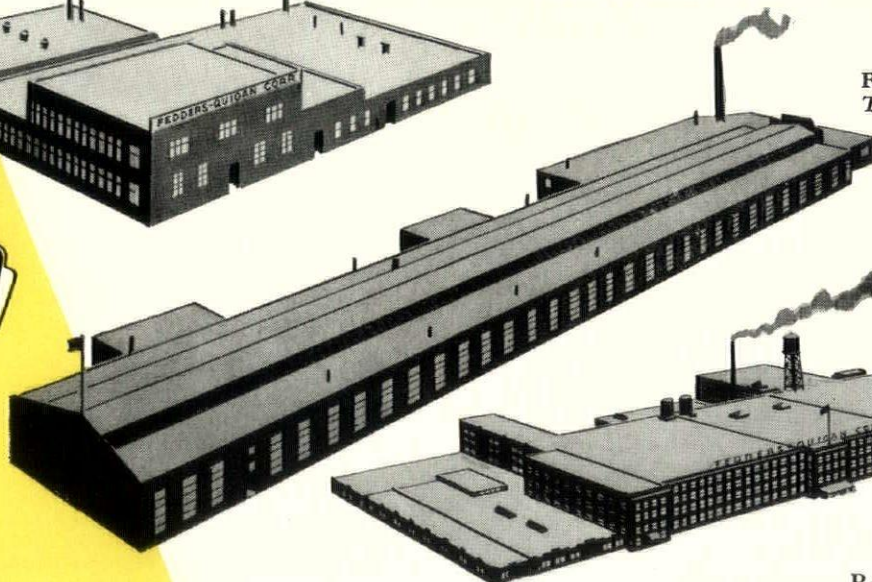
IN 4 PLANTS



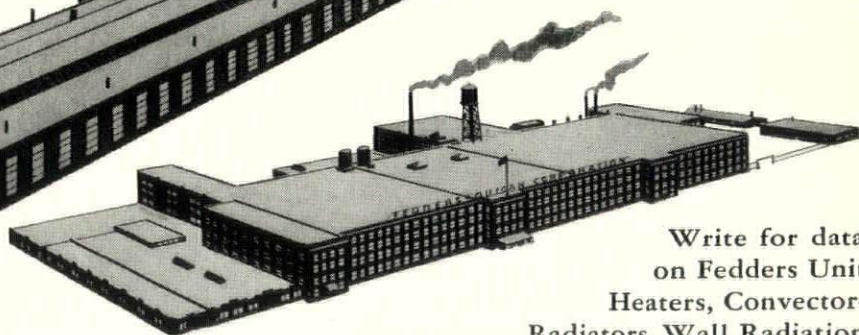
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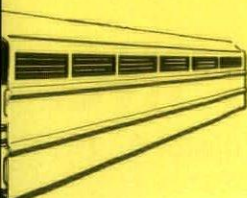


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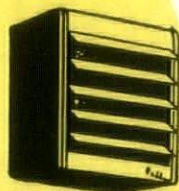
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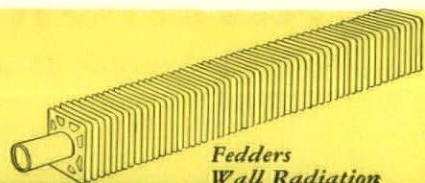
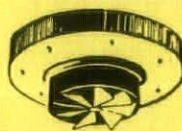
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THE PRESIDENT'S MESSAGE

A cordial invitation is extended to every member of the New York State Association of Architects, including their wives, sweethearts and friends to be present at the Annual Convention to be held at the Hotel Syracuse, in the City of Syracuse, November 2nd, 3rd and 4th. Recently your President attended a meeting of the Convention Committee, and from the reports of the various members of the Committee, he can assure you that our hosts, "The Boys from Syracuse" and the Central New York Chapter of The American Institute of Architects are arranging a magnificent program of interesting events for the members and also the ladies whose presence will add much to the success and enjoyment of the gathering.

Of the fourteen Constituent Organizations which comprise the New York State Association of Architects, your President thus far during the year has visited eight,—including the Brooklyn Chapter, Brooklyn Society, Staten Island Chapter, New York Society, Long Island Chapter, Bronx Chapter, Syracuse Society and the Rochester Society, and found each busily engaged in constructive programs not only pertaining to their own interests but to the interests of Civic Organizations in their community, as well.

Your President accepted an invitation to the Annual Convention of the New Jersey Chapter American Institute of Architects and the New Jersey Society of Architects, held on June 22nd, 23rd and 24th, in Asbury Park, New Jersey. The Convention was well attended, the business meetings and seminars were inspiring, and the week-end was a great success.

MANY events of interest to all architects in the State of New York have been resolved into definite action, and much has been accomplished during the past year by the various committees of the State Association.

The alarm of the grave and tragic Korean situation has resulted in the formation by our Constituent Organizations of Defense Committees, with personnel to cooperate with City, State and Federal Agencies.

In the field of housing much has been accomplished through the efforts of the Chairman and his Committee on Housing. Many conferences were held with the Honorable Herman T. Stichman, Commissioner of Housing of the State of New York, resulting in the adoption of a schedule of adequate architectural fees.

The efforts of our Unification Committee were terminated at our March Board of Directors Meeting, when Arthur Holden, Regional Director of the New York Area, representing The American Institute of Architects, presented to the Association a Charter designating the Association as official representative of The American Institute of Architects within the confines of New York State. Much thanks is due to the Unification Committee, composed of Mathew W. Del Gaudio, George Bain Cummings and James W. Kideney, for their untiring and selfless efforts in achieving this recognition.

THE alertness of the Legislative Committee during this year's Legislative sessions in Albany is responsible for both the approval of bills greatly in the interests of the architect and the public and the prevention of passage of bills which would have proven detrimental to the architectural profession.

The Publication Committee has held several meetings, and a most interesting one on August 25th, which your President attended, in Syracuse. You will be interested in the report of this Committee at the Convention, because many policies have been formulated with the aim to make the "Empire State Architect" more interesting and of greater service to its readers.

Many other events have taken place and at the Convention you will hear your stewards render their reports. Topics of interest to all architects in the State will be discussed from the Convention floor. The gathering should do much to build a closer bond of cooperation in our common effort to serve the public. You should be there to take part and offer constructive suggestions that will make the State Association better able to serve the Architectural Profession in the great Empire State of New York.

UNTIL the Convention date, when I can greet you personally—"Greetings!"

HENRY V. MURPHY.

PROGRAM

1950 CONVENTION

New York State Association of Architects

Unless otherwise noted, all meetings will be held on
10th FLOOR OF THE HOTEL SYRACUSE

Master of Ceremonies: Harry A. King

WEDNESDAY, NOVEMBER 1st

PRE-CONVENTION ACTIVITIES

- 7:00 P. M. Early arrivals will assemble in the main lobby adjacent to the Cavalier Room and join with members of the Syracuse Society of Architects for informal dinners in the Persian Terrace.

THURSDAY, NOVEMBER 2nd

- 8:30 A. M. REGISTRATION
10:00 A. M. FIRST BUSINESS SESSION— East end of Ballroom
Report of the Board Report of the Secretary
Report of the Treasurer Report of Committees
Report of Nominating Committee
OPENING OF ARCHITECTURAL AND COMMERCIAL EXHIBITS
11:00 A. M. JUDGING OF ARCHITECTURAL EXHIBITS
1:00 P. M. LUNCHEON—WEST END OF BALLROOM
Invocation: The Reverend Msgr. Joseph B. Toomey, Director of Catholic Charities, Syracuse, New York
Toastmaster: L. A. Waasdorp, Rochester, New York
Welcome: Thorvald Pederson, President, Syracuse Society of Architects
Response: Henry V. Murphy, President, New York State Association of Architects
Greetings: Mayor Thomas J. Corcoran
Speaker: Ralph Walker, President, American Institute of Architects
Announcements
2:30 P. M. SEMINAR—Parlor "E"
Subject: Traditional versus Modern Architecture
Leader: Douglas Haskell, Architectural Editor of "Forum"
Traditional: Edgar Williams, New York City
Modern: Philip Johnson, Museum of Modern Art
5:00 P. M. VISIT EXHIBITS
7:00 P. M. PRESIDENT'S RECEPTION — BALLROOM
Cocktails

FRIDAY, NOVEMBER 3rd

- 9:00 A. M. SECOND BUSINESS SESSION — EAST END OF BALLROOM
Election of officers
Report of Resolutions Committee
11:00 A. M. SEMINAR ON FIRE PREVENTION — PARLOR "F"
James McElroy
Assistant Technical Secretary
National Fire Prevention Association
Trips about the city
General Electric
Syracuse University
Onondaga County Memorial
1:00 P. M. LUNCHEON — WEST END OF BALLROOM
Invocation: The Reverend Leon Adkins, D. D., University Methodist Church
Toastmaster: C. Storrs Barrows, Rochester, New York
Speakers: John Schenck, President, Syracuse Manufacturers' Association
Subject: Business Conditions
Edgar R. Arthur, Professor of Architecture, University of Toronto

- 2:30 P. M. SEMINAR ON LANDSCAPING—PARLOR "F"
Gilmore D. Clarke, President of ASLA, New York City
- 4:00 P. M. VISIT EXHIBITS
ATTEND NATIONAL CERAMIC EXHIBIT — TRUSTEE'S TEA
Syracuse Museum of Fine Arts, 407 James Street
- 8:00 P. M. ANNUAL DINNER — BALLROOM
(*Dress Optional*)
Invocation: The Reverend Arthur W. Mielke, D. D.,
Park Central Presbyterian Church
Toastmaster: Henry V. Murphy, New York State Association of Architects
Speaker: George E. Sokolsky
Topic: "These Days"
Presentation of Certificates of Award in Architectural Design:
S. Elmer Chambers
Announcements
- 10:30 P. M. VISIT EXHIBITS

SATURDAY, NOVEMBER 4th

- 9:00 A. M. FINAL BUSINESS SESSION — EAST END OF BALLROOM
- 11:30 A. M. VISIT EXHIBITS
- 12:30 P. M. LUNCHEON — BALLROOM
Invocation: The Reverend Elsworth C. Reamon, D.D., Betts' Memorial
Universalist Church
Toastmaster: James Wm. Kideney, Buffalo, New York
Speaker: General Lucius D. Clay
Subject: "World Affairs"
Announcements
- 2:30 P. M. Organization meeting of new officers—Parlor "F"
Convention adjourned

Women's Program

WEDNESDAY, NOVEMBER 1st

- 7:00 P. M. Informal dinner with members and wives of Syracuse Society of Architects in the
Persian Terrace.

THURSDAY, NOVEMBER 2nd

- 1:00 P. M. LUNCHEON, BRIDGE — Onondaga Country Club
- 7:00 P. M. PRESIDENT'S RECEPTION — Ballroom
Cocktails — Buffet — Dancing

FRIDAY, NOVEMBER 3rd

- 1:00 P. M. LUNCHEON — Persian Terrace
- 2:30 P. M. SIGHT SEEING TOURS OF SYRACUSE
- 4:00 P. M. Attend National Ceramic Exhibit — Trustee's Tea
Syracuse Museum of Fine Arts, 407 James Street
Shopping trips in and about Syracuse
- 8:00 P. M. ANNUAL BANQUET — Ballroom

SATURDAY, NOVEMBER 4th

- 12:30 P. M. LUNCHEON — Ballroom
- 2:30 P. M. INSPECTION TRIPS ABOUT SYRACUSE

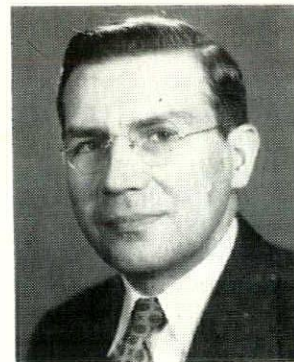
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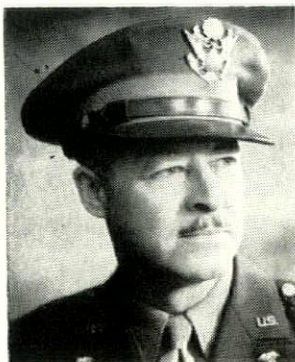
CONVENTION COMMITTEE MEMBERS



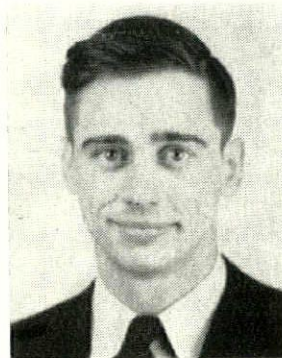
HARRY A. KING
Advisory Committee



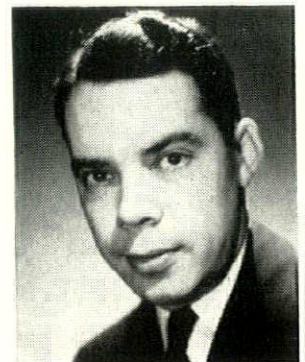
WALTER L. WELCH
Publicity



FRANK W. BRODRICK
Hospitality

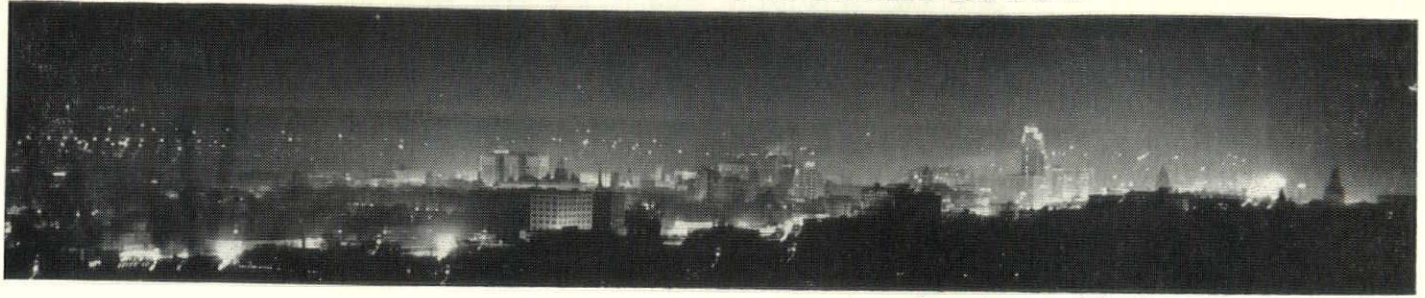


J. MURRAY HUEBER
Attendance and Tickets



FRANCIS E. HARES
Architectural Exhibits

CONVENTION HIGHLIGHTS



Syracuse at night from University hill

CONVENTION SPEAKERS



GEORGE SOKOLSKY — well known columnist, author and lecturer. Feature speaker of the annual dinner at the Syracuse Convention in November, his knowledge of far-eastern affairs will make his observations of especial interest at this critical time.



GENERAL LUCIUS D. CLAY War time administrator of occupied Germany. A feature speaker during the Convention, his first-hand information of Europe parallels that of George Sokolsky in the Orient and will serve to assist in proper evaluation of the present world situation.



Onondaga Golf and County Club, where women of the Convention will be entertained at luncheon, 1:00 P.M., Thursday, November 2, 1950.

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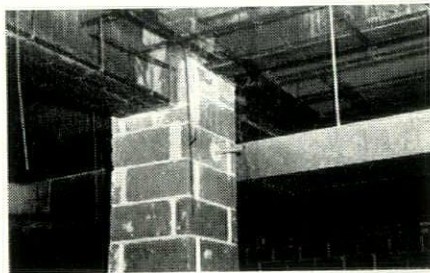
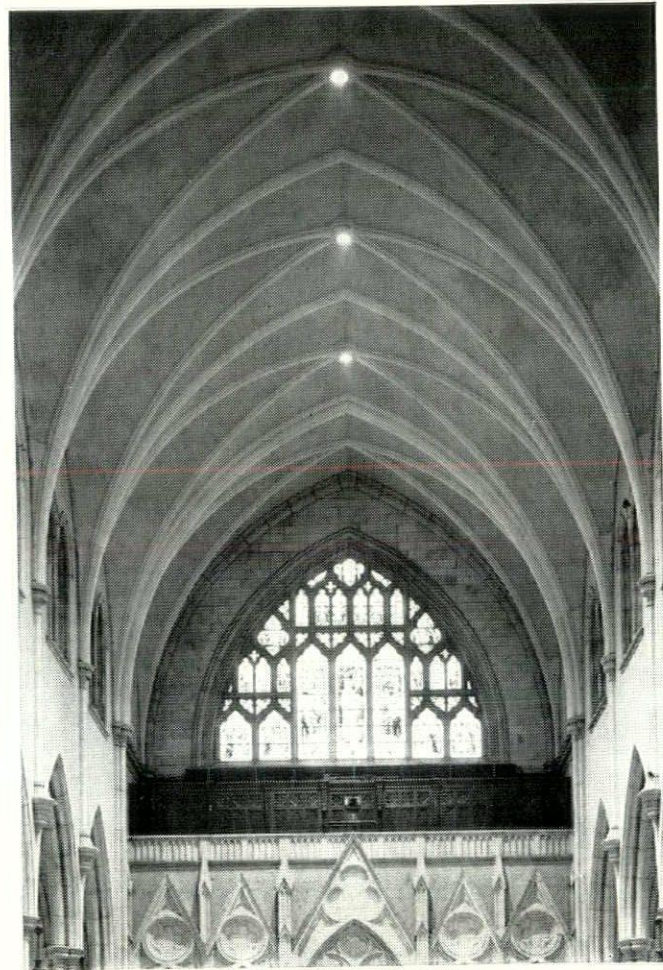
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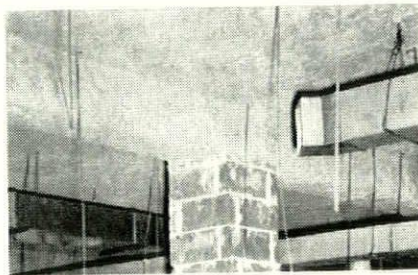
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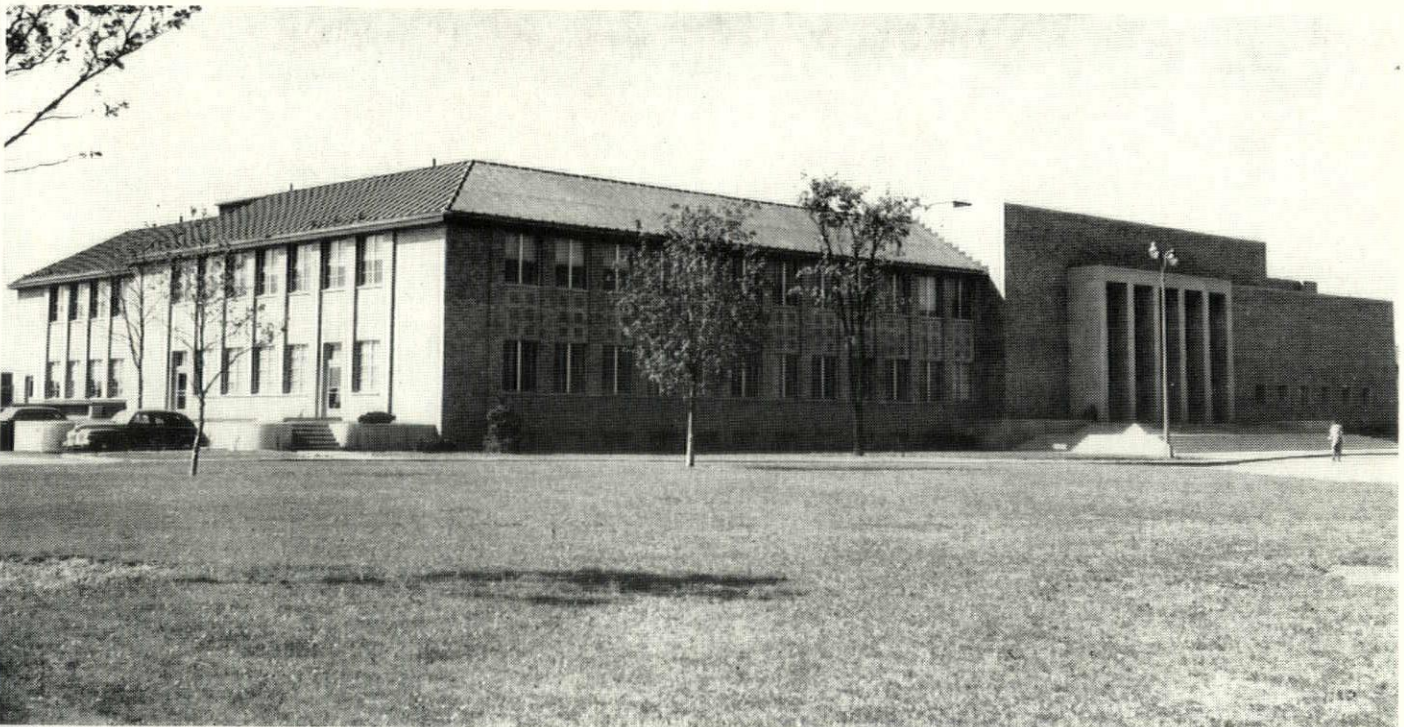
CONVENTION CITY FOR 1950

BY WALTER L. WELCH

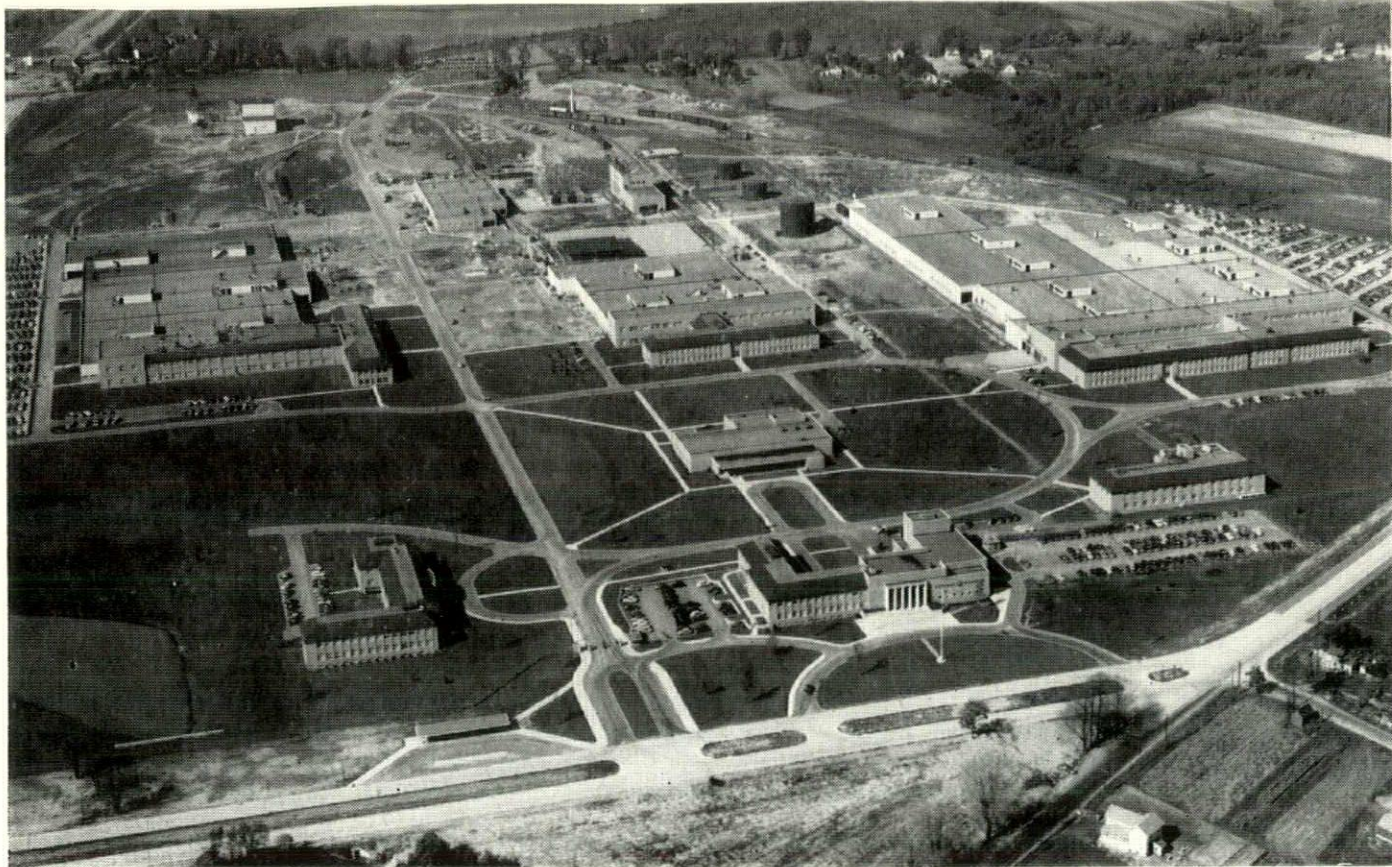
SYRACUSE, Convention City of the New York State Association of Architects for 1950, is the hub of a thriving metropolitan area. Although census figures recently released credit Syracuse with something better than 220,000 inhabitants, representing an increase of about 14,000 since the last census, the remainder of Onondaga County has increased by 30,000.

Many of the newer and larger industries of the Syra-

cuse area are located outside of its corporate borders. The most important of these from an employment standpoint is General Electric's new Electronics Park at Liverpool. This has been but recently completed and now employs in radio and television production about 8,800, or nearly twice the number envisioned when construction began in 1946. There are nine major buildings—all air conditioned, situated in a



General Electric Co. — Electronics Park
Reception Building (No. 2)

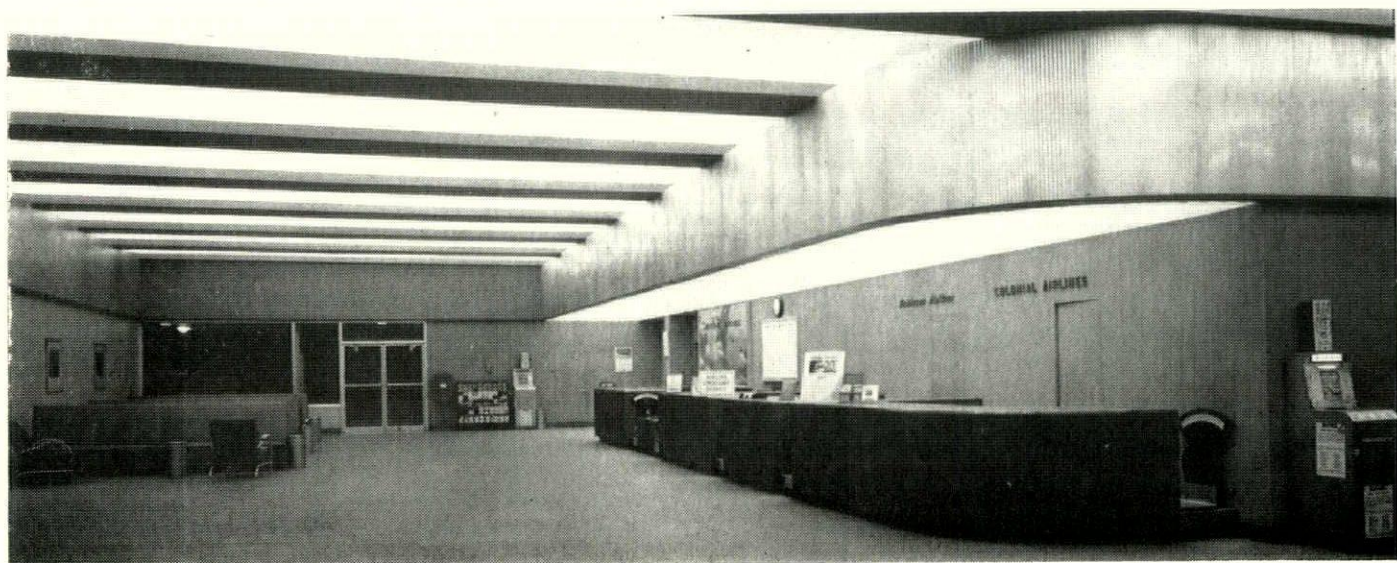


General Electric Co.—Electronics Park
Air View

spacious, landscaped environment quite unlike that so often associated with industrial plants.

AS a project involving large scale group planning for maximum efficiency and also to provide utmost comfort, health and enjoyment to all employees, Elec-

tronics Park is certain to be of interest to many architects attending the convention in November. For this reason, a tour of the buildings is being arranged for those who would like to inspect this most modern group of related and integrated structures.



Terminal Building, Hancock Airfield

George H. Ketcham, Architect



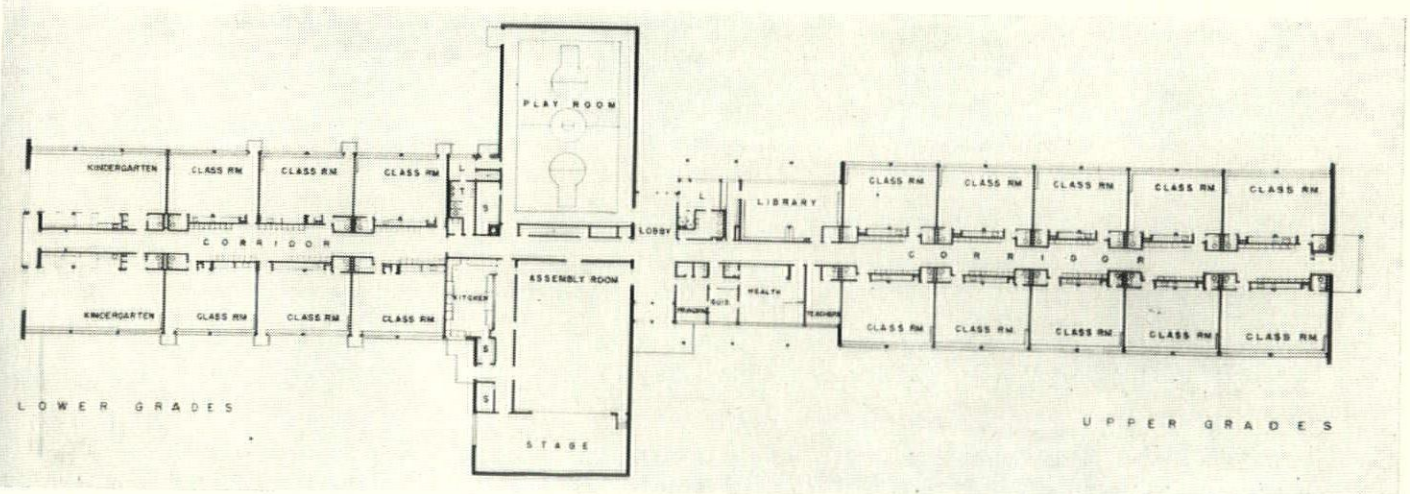
Cicero Elementary School

*Harry A. and F. Curtis King, Architects
Sargent, Webster, Crenshaw & Folley, Associate Architects*

Near Syracuse and not far from Electronics Park is the new airport of Syracuse, Hancock Airfield. This has been converted from the former U. S. Army Air-base at Mattydale. Large crowds have been visiting the airport to inspect the facilities provided for the public and the administrative staff through the complete and ingenious reconstruction of existing buildings and new construction designed by George H.

Ketcham, Architect, and his men. The illumination of the interior of the Terminal Building has received an award from the General Electric Co., one of eight citations for installations in cities of over 200,000 population.

THE new multi-million dollar state Thru-Way passes the airport and Electronics Park. The bridges over



Plan—Pitcher Hill Elementary School

*Harry A. and F. Curtis King, Architects
Sargent, Webster, Crenshaw & Folley, Associate Architects*

the highways and the cloverleaves to serve them and other nearby points are about complete. Grading is completed for this portion of the Thru-Way, contracts for surfacing have been let and this link may be placed in operation by the end of this year.

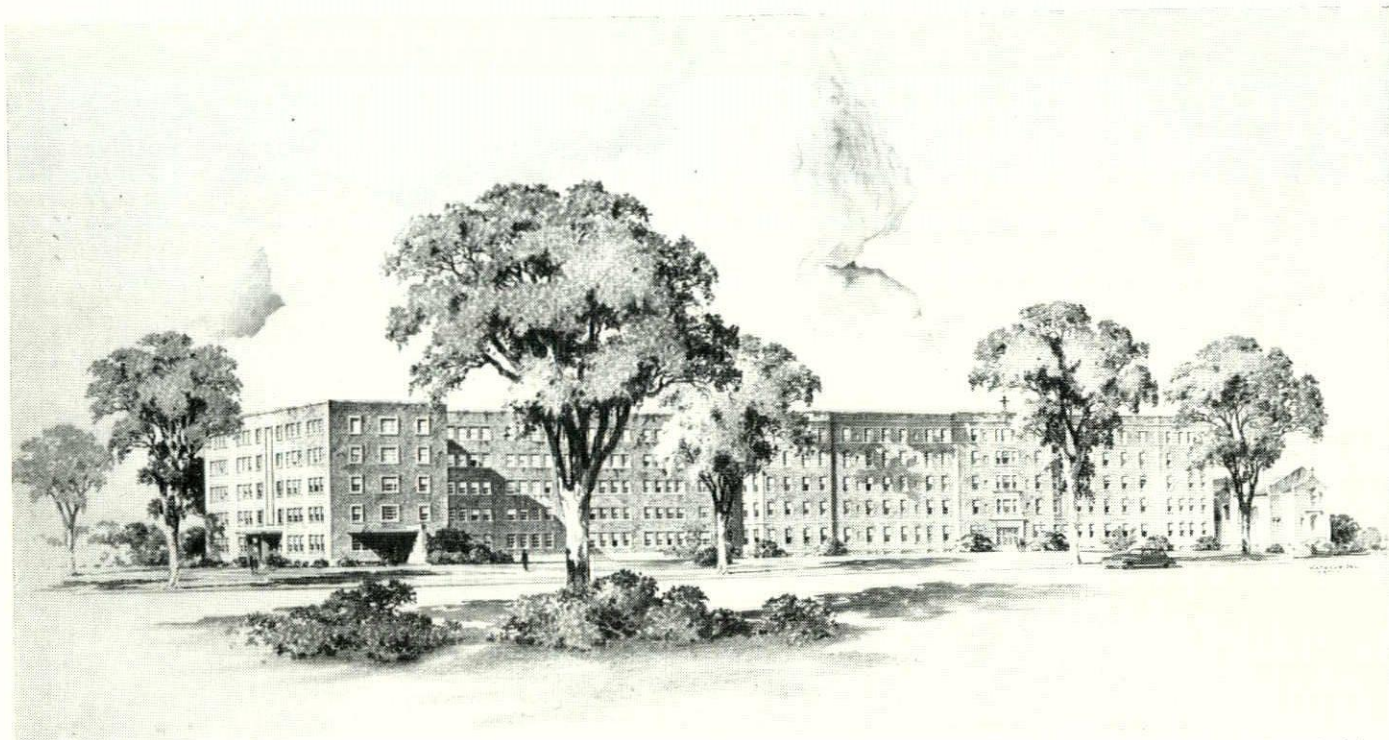
Also north of the city, at Pitcher Hill and Cicero, are now under construction two elementary schools worthy of attention. An unusual classroom arrangement has been provided in which each room has two individual toilets. Wardrobes are situated off the corridors. The construction is light weight steel, with continuous windows. The cost was about 70c/cu. ft., or about \$800. per pupil. The architects were Harry A. and F. Curtis King; and Sargent, Webster, Crenshaw & Folley, associated architects.

Harry A. and F. Curtis King are also responsible for two other buildings of uncommon interest, especially to specialists. One is the 180 bed addition to St. Joseph's Hospital, now in progress, and the Merchants National Bank & Trust Co. Drive-In Bank, recently completed.* The hospital well illustrates the manner in which modern design may be blended with that of earlier periods with entirely harmonious results. More important, however, is the manner in which the multitudinous requirements of modern hos-

pital service and technical equipment are coordinated with the human space dimensions and requirements.

THE Merchants National Bank & Trust Co. Drive-In Bank is, as might be expected, somewhat spectacular because of the sheer novelty of designing a bank primarily for the convenience of the motoring public. However, the practicality of doing this has been well tested by means of temporary facilities maintained at the main offices of the bank for some years previously and which has now been discontinued. The main banking offices are about two blocks away from the Drive-In Bank. It is estimated that by this separation of services and at low cost, the capacity for service to the public of existing facilities and personnel has been greatly extended.

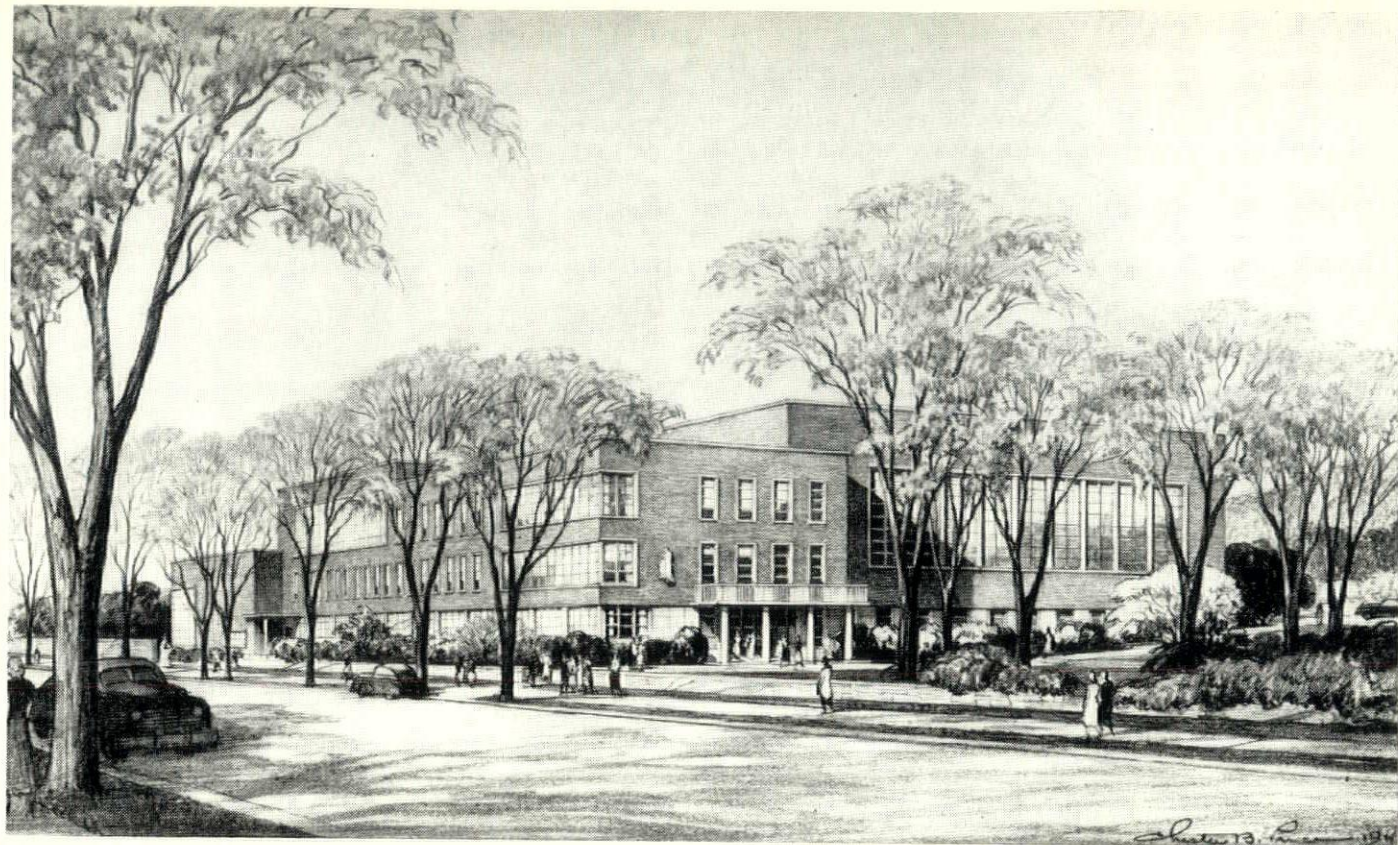
Along with Syracuse, Syracuse University has had phenomenal growth within comparatively few years. A building fund of 15 million dollars has been raised to extend its physical plant to match that part of its war-time growth which is expected to be permanent. Recently completed is a huge dining hall on the campus at the rear of Simm's Hall. To be constructed on 'Mount Olympus,' adjacent to the campus is Shaw Dormitory, for girls. Now under construction is a new gymnasium, in part a reconstruction of Archbold Gymnasium which burned last year.



St. Joseph's Hospital

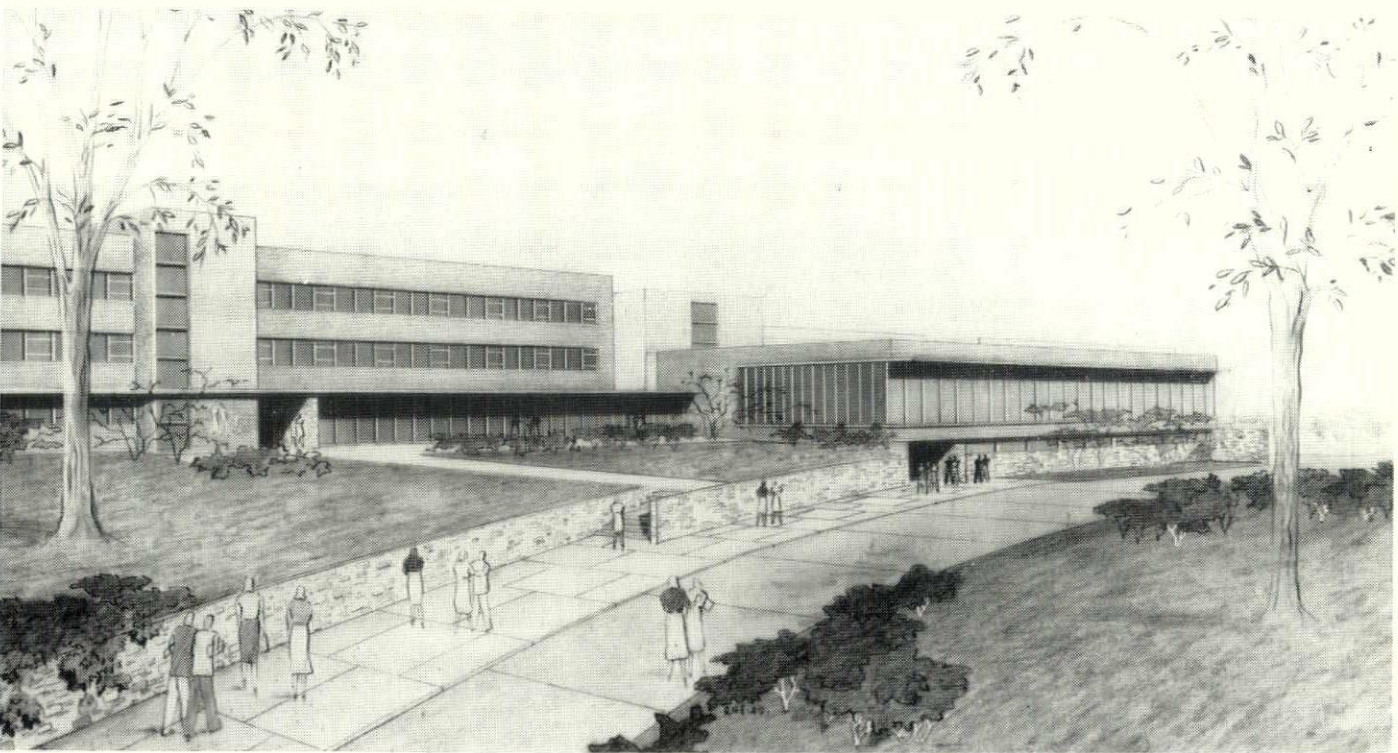
Harry A. and F. Curtis King, Architects

* See Cover for Illustration



Proposed Women's Building
Syracuse University

Lorimer Rich and Robbins Conn, Architects
Harry A. and F. Curtis King, Associate Architects



Proposed Shaw Dormitory at Syracuse University

Lorimer Rich and Robbins Conn, Architects
Harry A. and F. Curtis King, Associate Architects

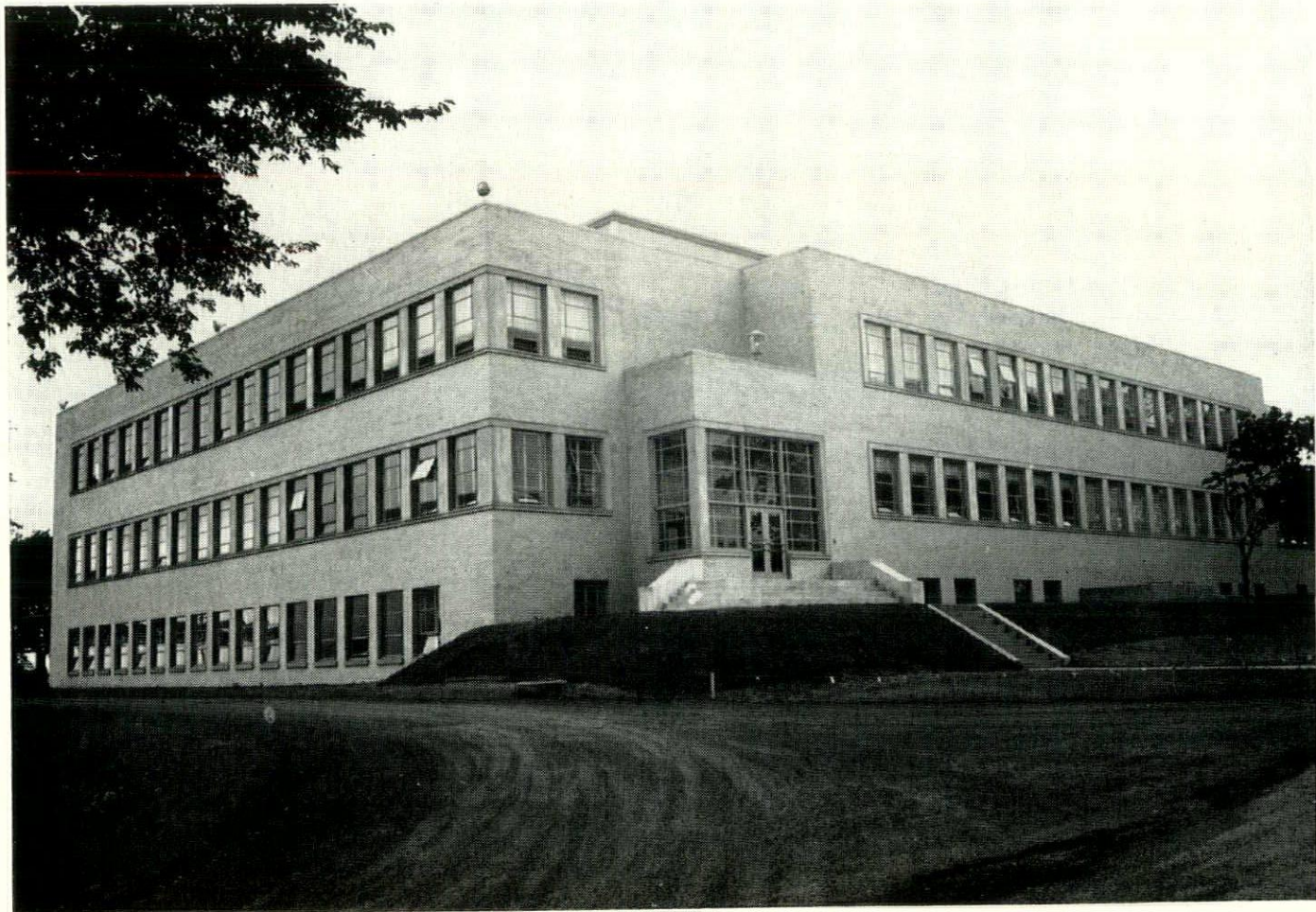
THE main gymnasium area will accommodate three full size collegiate basketball courts and is spanned by 100 ft. rigid frame steel members. The new swimming pool will have the south and west sides of continuous aluminum windows approximately 28 feet in height. The university expansion program is being designed by Lorimer Rich and Robbins Conn of New York, with Harry A. and F. Curtis King as associate architects.

The newly created State University of New York has taken over the former College of Medicine of Syracuse University, and which is to be the nucleus of a great new medical center. Nearby at the present time are three large hospitals, beside the Syracuse Psychopathic hospital, which is state owned. A new federal Veterans' Administration hospital is now under construction almost immediately adjacent to the

Medical College. This is a 500 bed hospital and probably will be enclosed by Convention time.

ALSO worthy of the attention of specialists is Le Moyne College, initial units of which are the nucleus of a new campus located on one of Syracuse's eastern hills opposite that dominated by Syracuse University. This new addition to higher education facilities of the Syracuse area has been named by its Jesuit founders in honor of Father Le Moyne, one of the first religious leaders to visit the site of future Syracuse and reputedly the discoverer of the salt springs on the banks of Onondaga Lake and which played an important part in the history in the development of the city and the Erie Canal.

In fact, this finding of salt was responsible for the location here of one of its present great industries,



Exterior of Solvay Process Division's new alkali research and technical service laboratory at Syracuse, New York. This million dollar structure is of concrete and steel frame construction, faced with buff-colored brick. It provides some 40,000 square feet of floor area.

the Solvay Process Co., now a division of Allied Chemical & Dye Corp. This company is now engaged in replacing their many large buildings with modern structures. One that we believe will interest many architects is the Research building, recently dedicated.

In various parts of the city, there are private housing projects, some of which have received some attention in architectural publications, such as Centennial Gardens. There is also a state low cost housing project now under construction on the east side known as Salt City Homes, which architects engaged in similar work may care to inspect.

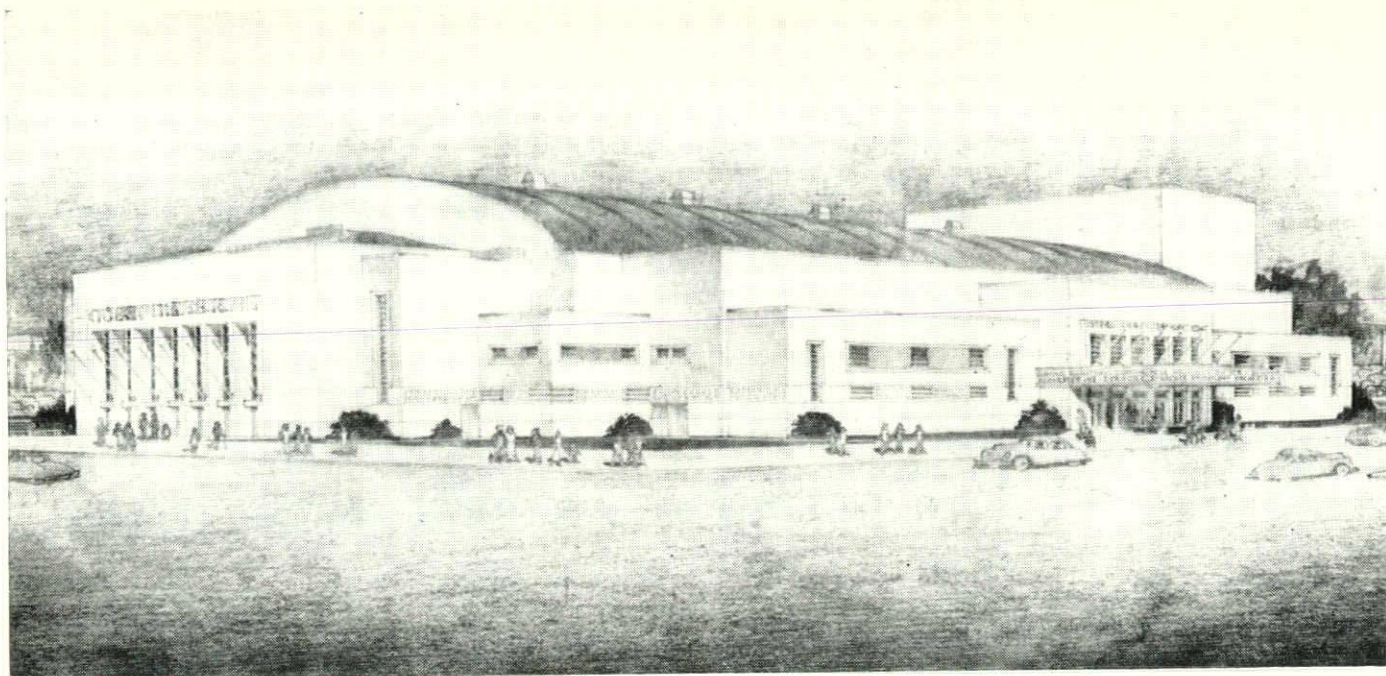
Space will not permit details of other equally important projects but full information will be available to all attending the Convention.

JUST one block from Hotel Syracuse is now being erected the Onondaga County War Memorial Auditorium, by Edgerton & Edgerton, Engineer and Architect Associates, winners of the design competition last year. This is to be a reinforced concrete building, with widespan concrete rib arch construction. The span between supports is 200 ft. The capacity for hockey is 6800 persons. The auditorium can be converted readily for use as a music hall, with seating of about 3,000 for normal concert use, but expandable to 9,000 for special event purposes. A permanent feature is a Memorial Hall, in which the names of Onondaga County's war veterans are to be permanently inscribed upon bronze plaques upon walls of marble. This hall is to be reserved for the use of veterans' organizations



Progress Photo, June 23, 1950
War Memorial Auditorium

Edgerton & Edgerton, Architects



Onondaga County War Memorial Auditorium

Edgerton & Edgerton, Architects

and memorial services. Although open to the public, this hall will not be used for any entertainment or commercial purpose. However, space available else-

where in the building, on the first floor and basement, for convention purposes, etc., will total about 80,000 sq. ft.



Syracuse—Eastwood Central District Office
New York Telephone Co.

James W. Kideney & Associates, Archi

Reason Versus Emotion in Architecture

BY ROY JONES

*F.A.I.A., Professor and Head, School of Architecture, University of Minnesota, U.S.A.—
a paper given before the VII Congress of Pan American Architects.*

Many years of experience in architecture have made me extremely conscious of a certain dichotomy in architectural thinking. It springs from the many-faceted nature of architecture itself, which is at one and the same time an art and a science. The art of architecture proceeds from emotion; the science, from reason. To reconcile the two is one of the basic problems, not only of architectural practice, but also of architectural education.

We all hold to an ideal that our architectural emotions should be solidly based on objective reasoning. But I find myself asking this question. How much of our design really proceeds from investigation, analysis and reasoned objectivity? Does it not often proceed from individualistic personal preferences; from imposed fashions, both traditional and modern; or perhaps from firmly fixed habits;—in other words, from esoteric and emotional and subjective rather than objective and demonstrable considerations?

It seems to me there are cross purposes here which are symptomatic of a present day architectural dilemma. The architect *claims* to be the expert advisor on building problems, the coordinator of technologies, the organizer of space to meet human need—all of which involve reasoned objectives, which need to be rationally and objectively, not emotionally and subjectively, arrived at. But—we have continued to get ourselves so tarred with what appears to the public as an aesthetic or emotional brush that we have been relegated, in too much of both the past and present, to the grandiose, the costly, and the exceptional kind of building. The aesthetic habit goes deep. Even while the American Institute of Architects labors to get its members accepted as part of the functional economy of every day life, its own official Handbook of Practice proclaims in its opening sentence that architecture is primarily a fine art.

Too often some of us seem unable to objectively appraise arrangements of space, structure, and materials because we cannot overcome our dislike for the unfamiliar external forms that result from these arrangements. Strip some designers of a certain machinery of decorative detail—the string courses, cornices, columns, and enframements of classic architecture, for instance, and they're lost. By the same token—dare I say it?—if you strip other designers of the currently fashionable externals of so-called modernism, I suspect they would be just as badly lost. Ribbon windows, flowing space, trapezoidal shapes, pinpoint supported slabs and flat roofs can emotionalize our judgment just as effectively as the Five Orders.

It may be remembered how, in my own generation's youth, we forced and pushed and prodded to make plans symmetrical; how we piled up gargantuan masses of pseudo masonry to make a fine, striking "Point de pochet." Some of us know, too, how present day students sweat and toil—almost shed tears and blood—to make even naturally symmetrical plans unsymmet-

rical; how they pare down their walls and columns to gossamer thinness, so that if a pipe or duct has ~~to~~ run anywhere through them you get much the same effect as though a thin, elongated, sculptured Gothic saint had swallowed a watermelon.

Yes—architecture seems to be afflicted with a ~~kind~~ of schizophrenia. We are torn between two opposing desires. We want to be the scientific, technical, executive, rational and objective beings that we would like the public to believe we are. But we like—Oh, ~~how~~ we like—to indulge in irresponsible self-expressions, to proceed on intuitive judgments, to follow emotionally induced predilections for certain aesthetic fashions. One suspects that even some of our most articulate architectural theoreticians, instead of proceeding objectively, are actually only rationalizing what they ~~subjectively~~ like.

If the public does not make as much use of our ~~skill~~ as it should, could it be because we have no clear-cut conviction about how to apply our skill—and consequently no way of explaining it convincingly? Despite all the building that has gone on in the United States during the last century, despite the efforts of ~~some~~ fifty schools to train architects, there is little evidence of a design tradition that is even partially understandable, communicable, and influential so far as the ~~great~~ mass of building is concerned.

Don't mistake me. There are obviously able ~~designers~~ among us, who as individuals have that fundamental objectivity about design that produces satisfying buildings. But the point is that not enough ~~of~~ us appear to have had it to create and exploit a ~~kind~~ of building design whose appeal is so strong, whose qualities of "commodity, firmness and delight" are so ~~unmistakable~~, that everybody appears to have achieved it. Why can't we?

How much all this is due to a deep-rooted ~~maladjustment~~ in our age and time—to that conflict between thinking and feeling, which Gideon expounds in ~~his~~ *Space, Time and Architecture*, I shall not try to say. I'd like only to try out a few ideas on some of the ~~more~~ immediate and every day things that seem to ~~help~~ or hinder us to achieve a more complete objectivity in architectural design. Most of them have to do ~~with~~ architectural training, because that is the field ~~with~~ which I am naturally most familiar.

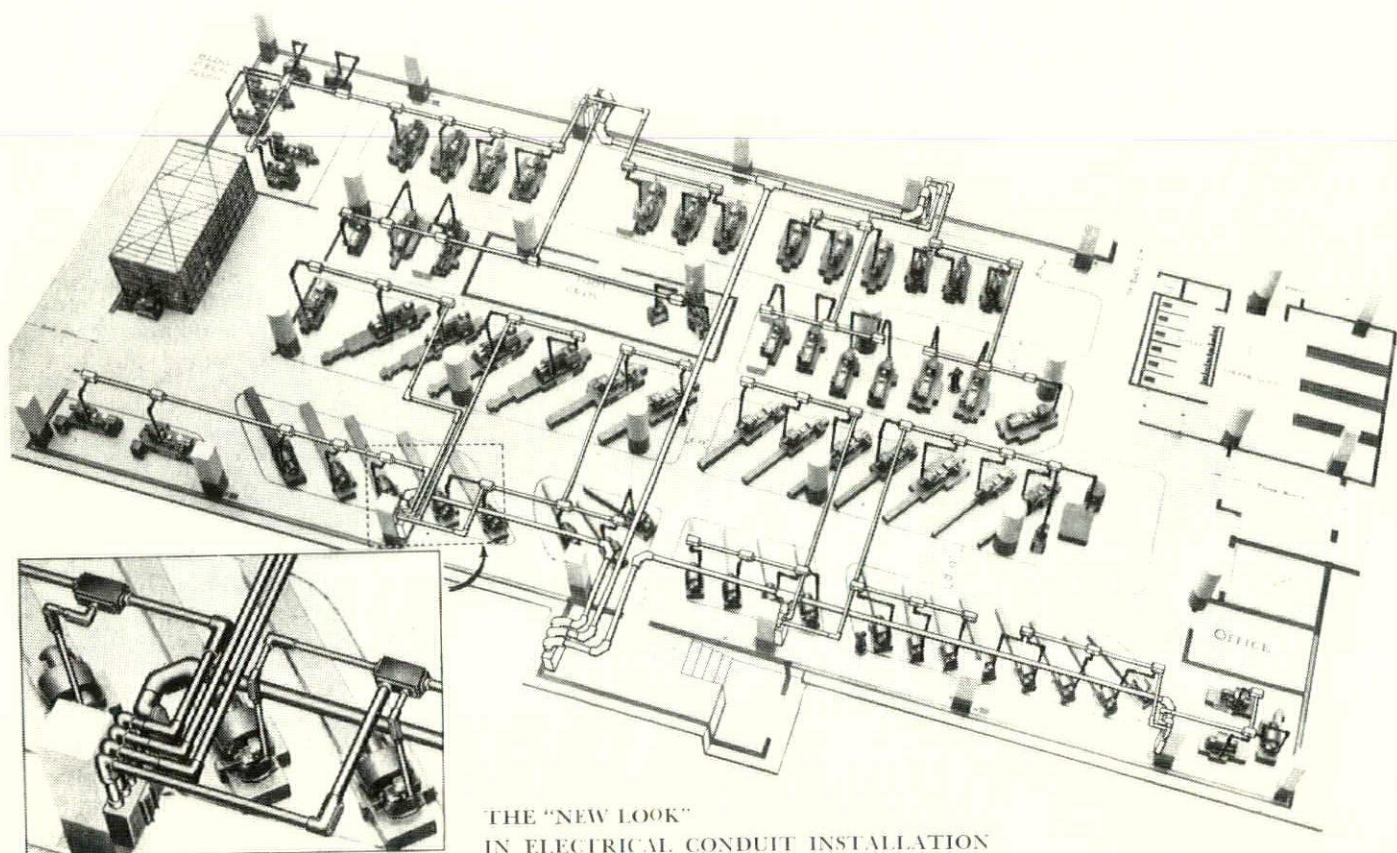
I suspect the schools must bear a large share ~~of~~ responsibility for the state of affairs I've presented. By their very nature they are artificial—and no true ~~substitute~~ for experience. Schools lack two essential elements in the design process. Students have no ~~clients~~ to work for, and they cannot build the designs ~~they~~ create.

In such an atmosphere, it is insidiously easy ~~for~~ subjective attitudes to sprout. Coupled with ~~this~~ is the fact that your potential architect is usually a ~~per-~~

(Continued on Page 54.)

NEW IDEAS IN ELECTRICAL LAYOUT

USING RIGID CONDUIT AND CAST FITTINGS



THE "NEW LOOK"
IN ELECTRICAL CONDUIT INSTALLATION

When planning a new electrical installation, whether large or small, it will be well to determine beforehand whether the method considered will: (1) meet the present requirements, (2) provide for future expansion or change, (3) give mechanical protection to the electrical conductors, (4) assure maximum safety to personnel, equipment, and the plant, (5) be economical.

About two years ago when a new addition was planned for a metal working plant that had diverse electrical power requirements, the five points above were presented as the requirements for the electrical installation. Careful advance planning along new lines resulted in a layout which avoided interference with other services and provided the flexibility and spare capacity to

take care of present and future needs.

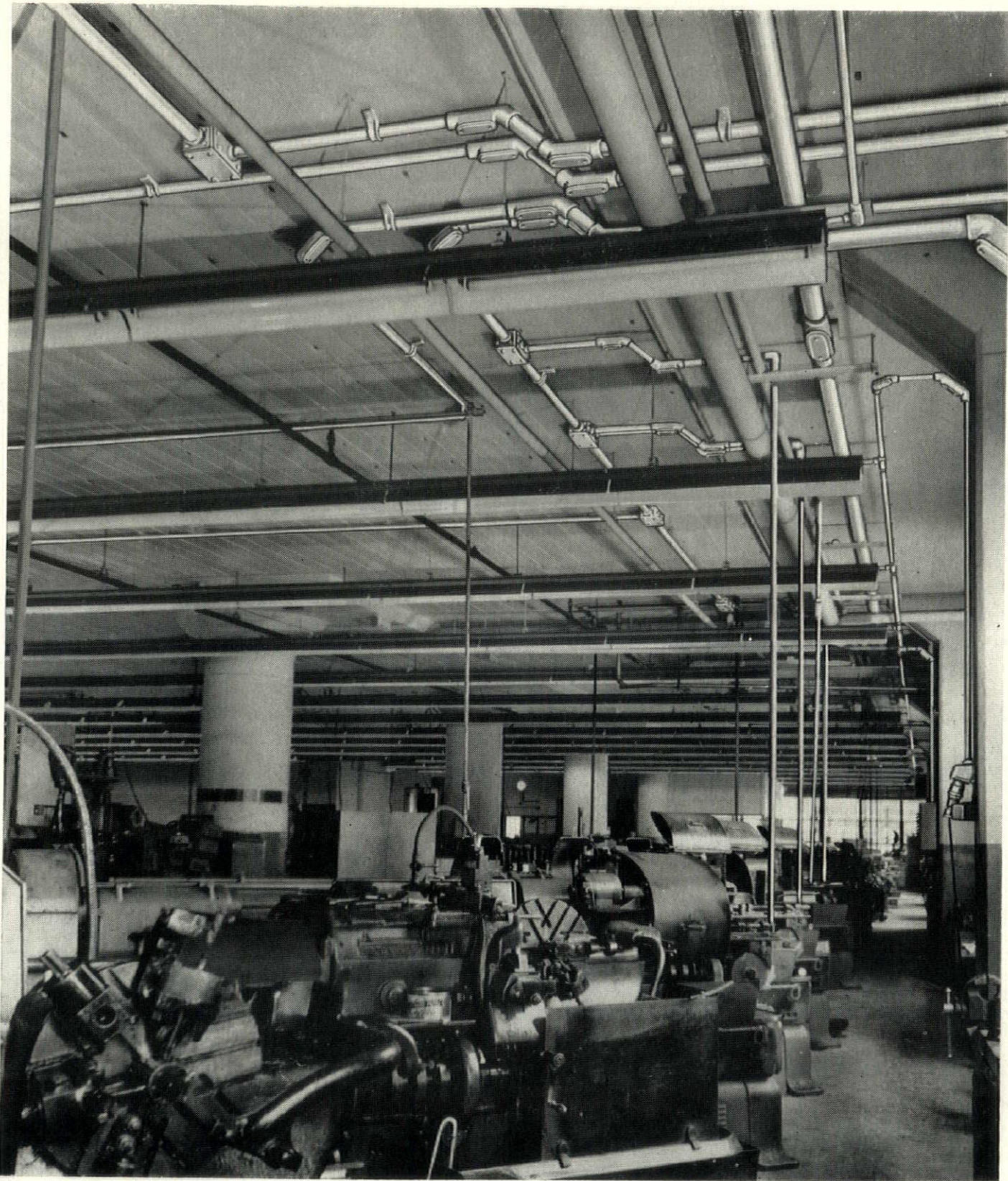
In planning the installation the designing engineers were called upon to select a wiring system which would be practical and economical for the whole building. Load concentrations varied widely from approximately 200 h. p. per bay to practically no power load per bay. The bays are 30' x 30'. The illustration above shows how the problem was solved.

Overhead distribution was selected to insure the greatest ease in connecting machinery for both the original layout and for changes in the future. Power distribution panels are located along the outside walls and so spaced that all machinery is within 50' of the panel from which its circuit is controlled.

Overhead branch circuits from each panel are carried in 2-inch conduit. In this layout the maximum conduit size was 3 inches. With the conduit system mounted directly on the ceiling, it was easy to avoid interference with fluorescent lighting, ventilating ducts, and other services.

Junction Condulets with interchangeable hub plates are located at frequent intervals to provide a variety of outlets for connection to the machinery.

The advantages of the rigid conduit and Condulet installation in incorporating new ideas in layout—new ways of using a familiar time-tested system has produced outstanding results in this metal working plant and the same advantages are equally important in every industrial job.



Installation of a rigid conduit and cast fitting system in the modern metal working plant shown in the layout.

AMONG THE CONSTITUENTS

BY CYRIL T. TUCKER AND CHARLES V. NORTHRUP

BROOKLYN CHAPTER

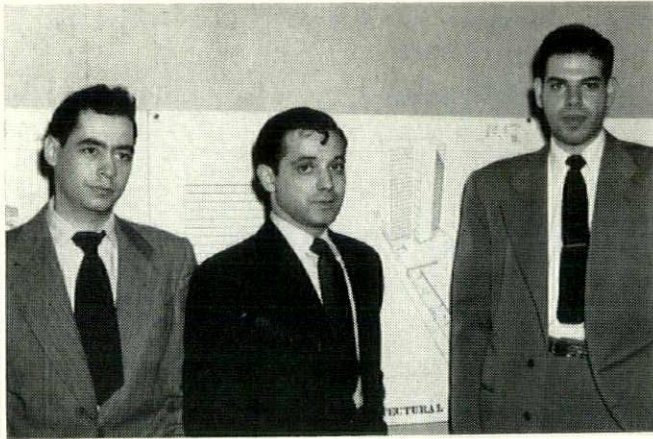
At the May meeting of the Brooklyn Chapter the members expressed their appreciation of his fine leadership by unanimously re-electing Martyn N. Weston as president.

Other officers elected are: Vito P. Battista, Vice-President; Andrew DiCamillo, Treasurer; Harry Silverman, Secretary. Directors elected are: Maxwell A. Cantor, Joseph Levy, Jr., Harry L. Yakel, and Vincent Pellegrino.

Brooklyn's large representative group took an active part in the discussions and events of the convention. Our past President, James E. Gambaro, as chairman of the Resolution Committee, was closeted for three days tending to that phase of the convention. All the Chapter participants felt the convention was edifying as well as enjoyable.

The Chapter approved the report of the Unification Committee in connection with the by-laws of the proposed architects council of New York City. This group is intended to represent the Chapters and Societies on all matters affecting the profession and public welfare in the metropolitan area.

The Chapter awarded its annual medal for excellence in design to the outstanding graduating student at Pratt Institute, Mr. Joseph A. Merz.



PRIZE WINNERS OF BROOKLYN CHAPTER
COMPETITION — 1950

Left to right: Edward Tirnetta, first prize; Giles Aureli, second prize; Norman Freedman, third prize; students at Pratt Institute.

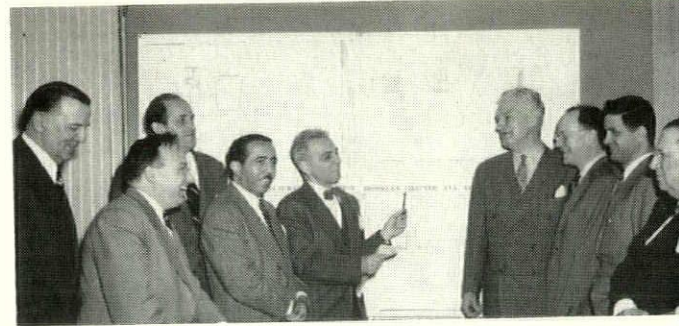
The March meeting gave the members some inspiring and encouraging moments as they viewed the submissions of future architects in the 20th annual architectural competition conducted by the Chapter for students and draftsmen in the territorial area of the Chapter.

The subject of the competition, "An Allied Arts Building" was a rather difficult problem commendably presented by the following prize winners, all of Pratt Institute:

Edward Tirnetta—First Prize of \$100.00
Giles Aureli—Second Prize of \$50.00
Norman Freedman—Third Prize of \$25.00

The jury judging the competition consisted of James G. Carr, Harvey Clarkson, Francis X. Gina, Ladislav L. Rado, and Frederick J. Woodbridge.

Members of the jury representing the Brooklyn Chapter included E. James Gambaro, Clifford F. Hart, Vito P. Battista, Joseph Mathieu and Herman M. Sohn.



JUDGES OF BROOKLYN CHAPTER
COMPETITION — 1950

Left to right: Messrs. Joseph Mathieu, Harvey P. Clarkson, Ladislav L. Rado, Vito Battista, E. James Gambaro, Frederick Woodbridge, James Carr, Francis X. Gina, Herman M. Sohn.

The program for this competition was prepared by the Education Committee under the capable direction of its chairman, Vito P. Battista.

In line with the Chapter's keen interest in educational activities, the members were given an enlightening picture on the progress of education by the speaker of the evening, Dr. E. S. Burdell, Director of Cooper Union Institute. He stated that eight times as many youths graduate from High School and that three and one-half times as many enroll in colleges today as did in 1900. His main theme was centered on the spiritual problems which confront the educator.

Although the schools are teaching a great number of skills, it is open to question whether they are equipping young men and women to use these skills.

He felt that students should be taught to have a sense of values as well as facts and that learning and wisdom must be woven into the same fabric.

Another educator, Olindo Grossi, Chairman of the Department of Architecture at Pratt Institute, capped off the educational sentiments of the evening by expressing his appreciation for the cordial relations that exist between the Brooklyn Chapter and Pratt Institute.

CENTRAL NEW YORK CHAPTER

This distant Chapter, which encompasses 26 counties of the most beautiful part of New York State in its territory, held its Spring meeting at historic Cooperstown. This was one of the meetings to which the member's wives were cordially invited, and 65 members, wives and guests were in attendance. In view of the amiable ambient atmosphere the meeting was held on the grass terrace at the rear of the dining room following a sumptuous repast.

Following the business meeting and reports of the Convention, the members heard an interesting talk by Mr. Bernard Thompson of Progressive Architecture on "It's the Law." He brought out the interesting point that an architect in agreeing to make contracts between the contractor and the owner is in reality practicing law, and that this point might be used to invalidate his whole contract. If he only agrees to assist the owner in making his contract with the builder, it is all right.

After dinner the members were treated to an illustrated lecture by Mr. N. A. Toruno, Director of Landscape Architecture of Syracuse University, on "Landscaping as Related to Architectural Plans." The Architect's wives were particularly interested in some of the garden treatments shown, and we detected many a future headache for the men present in the enthusiasm of their wives at the gardens.

It was at this meeting that Mr. Faragher, President of the Rochester Society, announced a proposed resolution for the State Association which the Society was instigating for the purpose of getting an Executive Secretary to handle matters for the State Association. He cited New Jersey, who has one, and other smaller and more local organizations who have found the idea practical and expedient.

The next meeting for Officers and Directors only, was held at Taughannock Inn, Taughannock Falls, N. Y., July 29th; the big meeting will be at White Face Inn, Lake Placid, N. Y. on September 23. At this meeting to which the wives are invited, the members of the Albany Chapter will also attend. Also at this meeting the Architectural Exhibit will be held and Honor Awards made. Awards will be made:

1. On architectural Design in various building classifications.
2. To Owners of buildings receiving design awards.
3. To members who have distinguished themselves in public and professional service.

The Chapter has received many favorable comments on its attractive booklet, "Membership Directory and Program" which was gotten up by the Attainments Committee under the leadership of Webster C. Moulton.

ROCHESTER SOCIETY OF ARCHITECTS

The Society has begun to recover from the summer vacations during which there was only one event. That, however, is the one event of the year all loyal Rochester architects always attend. From far and near they gathered once more at Sullivan's (H. H., that is) at Canandaigua Lake for one of the very best of Sully's famous picnics. Boat rides, swimming, badminton, and believe it or not, croquet, were enjoyed by the crowd. No one got a bit wet this year, from boating I mean, but one boatload ran into engine trouble and were towed back just in time to avert starvation. A wonderful supper was served up by Sully and Mrs. Sully. The whole membership arrived home safely but it is reported at least two members lost their way en route and didn't get back on the trail until very late.

The Board of Directors met in informal session at Sully's party and made plans for the program for the months to follow. Nick Masucci, Program Chairman, reported that the first event would be a clambake at Frank Quinlan's cottage at Conesus Lake. The regular noon luncheon meeting will be resumed at the Chamber of Commerce.

BUFFALO-WESTERN NEW YORK CHAPTER

The Moeller Architectural Scholarship committee recently interviewed several applicants and made recommendations to the Buffalo Foundation that \$2330.00 be distributed to the four following students:

Otto F. Andert—University of Michigan

Philip C. Cipolla—Rensselaer

Robert T. Coles—University of Minnesota

Robert R. Majewski—Syracuse University

These scholarships are awarded each year to Architectural students from the eight Western New York counties and who have lived in Buffalo for at least two years. It was made available through the will of Edward Moeller—a Buffalo Architect who died two years ago.

Members of the committee interviewing the applicants are: Anthony Betz, David Crane, Rufus Meadows, George Dick Smith, Jr. and O. W. Shelgren, chairman.



PRESIDENT'S RECEPTION at 1950 A.I.A. CONVENTION IN WASHINGTON

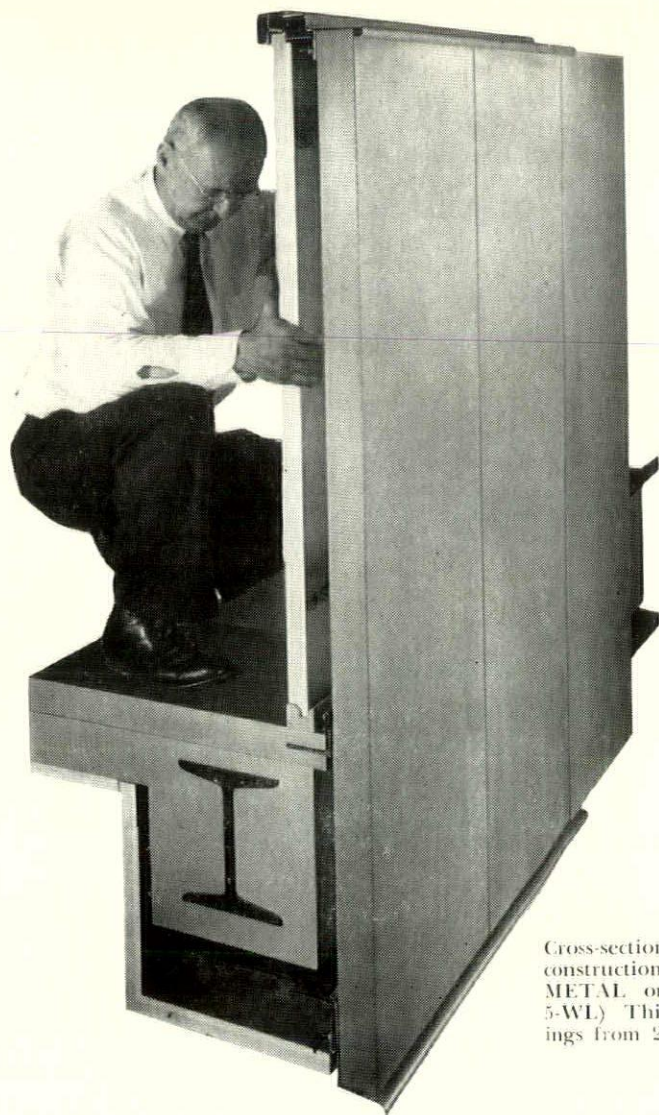
Back Row: Pat Papadopoulos, Chicago Chapter; Howard L. Cheney, Chicago Chapter; Wakefield Worcester, Connecticut Chapter. Front Row: Mrs. Howard L. Cheney, Mrs. E. J. Gambaro, E. J. Gambaro, Brooklyn Chapter.

NEW YORK CHAPTER

Chairmen for the coming year of all the various active committees of the New York Chapter of the American Institute of Architects were announced recently by Harry M. Prince, president.

In making known the new committee heads, Mr. Prince thanked the retiring chairmen and members for their untiring efforts and the great services they had rendered to the people, the city and to the architectural profession.

New committee chairmen are as follows: Kenneth K. Stowell, education; Howard Stokes Patterson, fees and contracts; Robert B. O'Connor, finance; Ely J. Kahn, housing; John H. Callender, small house; Jack Bruno Basil, LeBrun scholarship; Lessing W. Williams, architects emergency; Eldredge Snyder, awards; Milton Glass, by-laws; Richard Boring Snow, yearbook and register; James B. Newman, codes; John A. Thompson, admissions; Ben John Small, activities; Daniel Schwartzman, criticism and esthetics; Francis W. Roudebush, Brunner scholarship; Morris Ketchum, Jr., civilian defense; Richard Roth, legislation; John P. Jansson, membership; Maxfield F. Vogel, professional forum; Geoffrey N. Lawford, public relations; Edwin W. Forbes, technical; L. Bancel LaFarge, visiting architects.



CURTAIN WALLS

of

3 DIMENSIONAL STAINLESS STEEL CONSTRUCTION

Cross-sectional view of one type of curtain wall construction shows STAINLESS RIGIDIZED METAL on the exterior surface. (Pattern No. 5-WL) This system should give fire resistant ratings from 2 to 4 hours and also meets wind tests.

*New material developed for building panels
means less dead weight, saves space, and reduces costs*

Light weight curtain walls are opening up an entirely new conception and approach to building. The revision of building codes in the large cities has encouraged the producers of building materials to devote the time and money for research and development. Furthermore, new model codes are being drawn up by several national groups which may be adopted by local codes that will permit the use of lighter, thinner walls, as long as certain fire resistance tests are met.

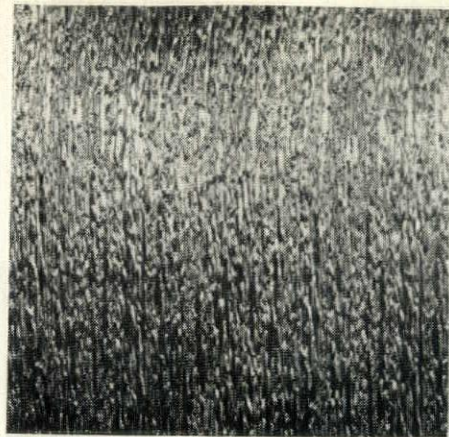
Curtain walls offer a number of outstanding advantages in construction work. Due to their light weight, panels can be larger and require less handling. Thinner walls provide extra floor space. Elimination of joints and the use of non-porous surfaces, such as steel, permit no water absorption. Easier to clean surfaces reduce maintenance, and increased thermal insulation means corresponding savings in heating costs.

Many new materials have been developed for curtain wall facings, but most of the interest has been de-

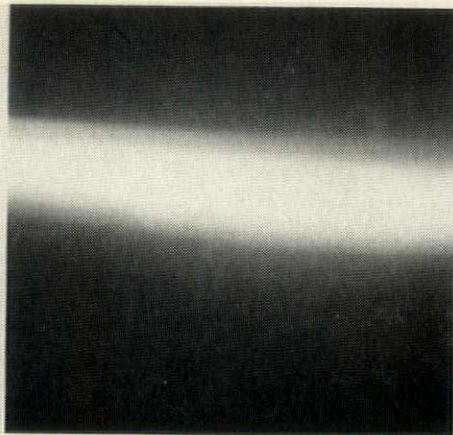
voted to metal faced walls and panels. These include copper-faced panels, aluminum in cast, sheet, or extruded form, and particularly stainless steel. Stainless steel, with its lifetime qualities withstands weathering and its resistance to fire is very good.

Rigidized Metals Corporation of Buffalo, New York, has taken a keen interest in the development of curtain wall facings. They have specialized in producing design-strengthened and textured stainless steel sheets and strip in various standard patterns, ranging from .005" depth to .325" in depth. The pattern serves several purposes—it allows the panel to follow the natural lines of expansion and contraction, eliminates distortion, (oil canning) and reduces objectionable glare. The architect can also develop his own texture provided the job is of sufficient size to warrant special tooling. Designs can be engineered to unusual depths.

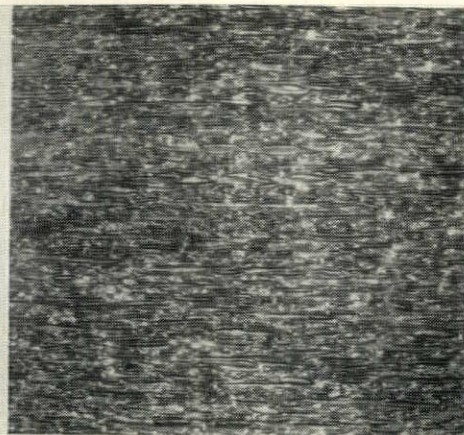
This design-strengthened and textured stainless steel provides greatly increased strength-weight ratios over



Pattern No. 1-CS
(Vertical)

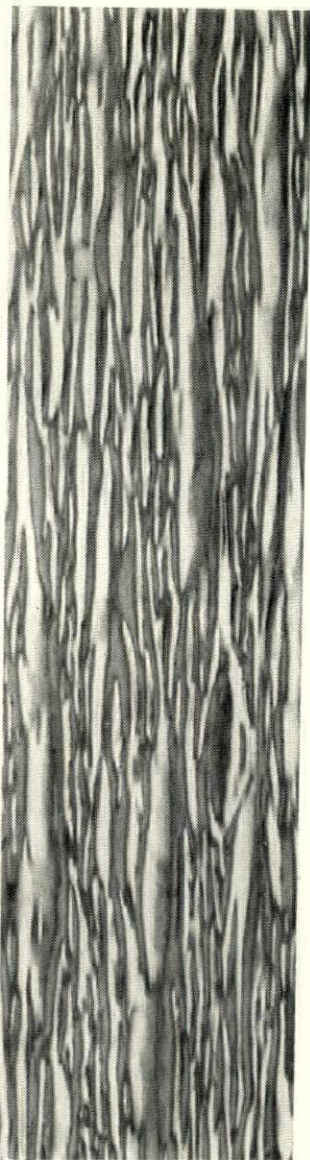


Commercial finish Stainless Steel



Pattern No. 1-CS
(Horizontal)

This picture was taken under identical lighting conditions and illustrates how Stainless Rigidized Metal provides improved light diffusion and eliminates distortion and glare.



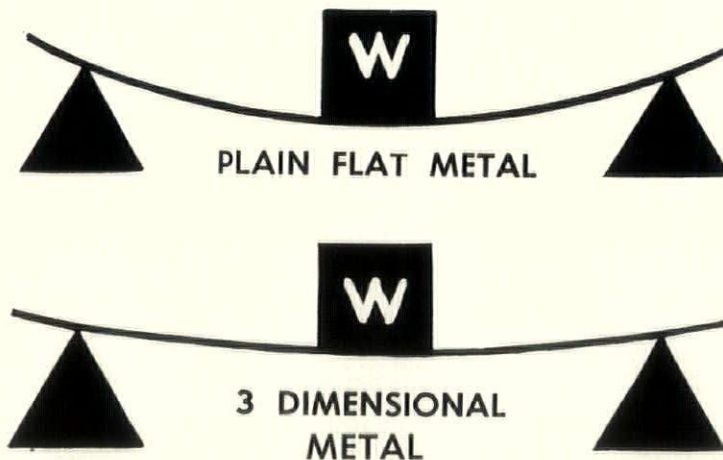
Close-up showing actual
size of pattern No. 1-CS

plain stainless steel. Improved impact, rigidity and buckling strengths are brought about by providing greater section thicknesses without increasing weight per square foot. For example, on a building project now under construction, it was found that the thickness of the sheet for the exterior facing could be reduced from .035 to .025, or by approximately 30%. The particular design chosen for this project is the one illustrated above which provides an overall or section thickness of approximately .060" in an .025" sheet, without any in-

crease in weight per square foot. This resulted in considerable weight saving and, of course, reduced metal costs.

Stainless Rigidized Metal has been used in various types of building applications, such as elevator panels, interior and exterior wainscoting, kick plates, push plates, etc. It offers a greater variety of patterns and decorations, with or without color backgrounds, than ever before available in conventional walls.

Its ease of construction and trouble-free maintenance are added sales advantages.



MATERIAL	EI (RIGIDITY) VALUES— INCH AND POUND UNITS		% INCREASE
	PLAIN FINISH	RIGIDIZED METAL	
17-7 STAINLESS STEEL	14.29	25.88	88.0

Sketch shows difference in EI or rigidity factor between Stainless Rigidized Metal and plain stainless. (Data taken from actual test report)



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Available in many shades, the colorful appearance of Brick is unquestioned. The wide range of colors and textures of Brick assures a permanent finish which is not only unblemished by weathering, but actually increased in beauty with the passing of time.

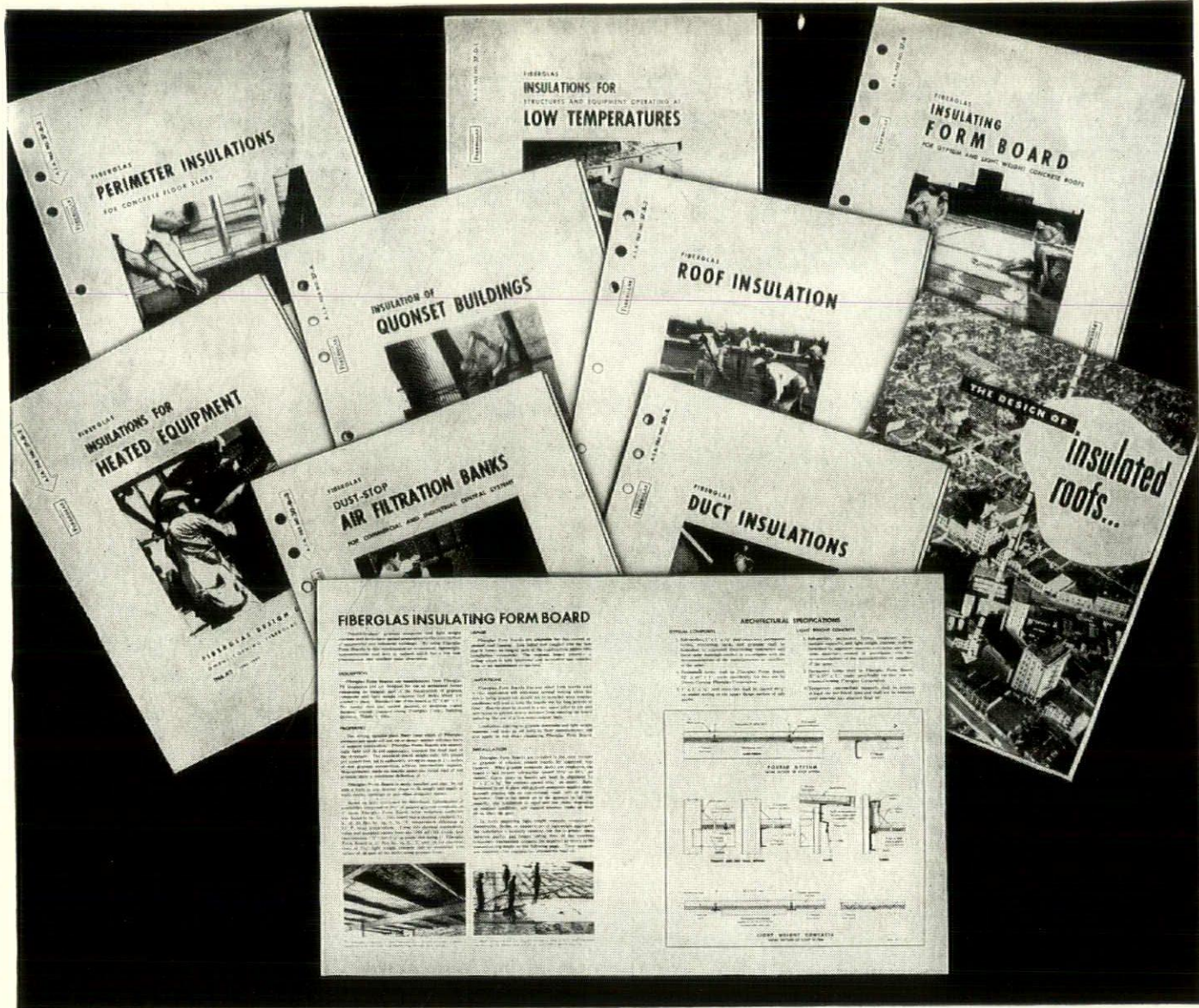
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37	The Design of Insulated Roofs. Rev. April, '50	37-B-3	Fiberglas Perimeter Insulations for Concrete Floor Slabs. Rev. July, '50
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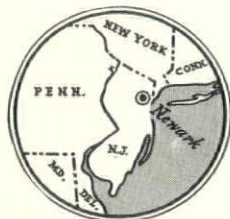
and leaving the creative design to others, Wm. L. Blanchard Co. helps assure for owners the best possible results. One of our associates, however, is a consulting architect and A.I.A. member. His familiarity with New Jersey building problems is readily available to New York architects planning structures in this area.

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Reading this one page
can help you design
LONGER LASTING ROOFS
and GUTTERS

When metal roofs and gutters expand and contract, due to temperature changes, this movement sets up stresses in the metal that correspond to the loading of a structural column. Unless the stiffness of the metal section is sufficient to transmit these stresses from the fixed end to an expansion joint, the metal will buckle; and where it repeatedly buckles, it will soon crack.

Thus, one basic factor in non-ferrous* sheet metal construction usually determines how long the installation can last . . . and this factor is the stiffness, or columnar rigidity, of each section.

WHAT GOVERNS COLUMNAR RIGIDITY?

The columnar rigidity of a sheet metal section is determined almost entirely by the shape of the section and the thickness of the metal. Studies have proved that such factors as tensile strength of the metal are either of no importance or of relatively minor importance in determining columnar rigidity of a sheet metal section.

The amount of stress which builds up in any section depends, of course, on the length of the section. Thus, when length and columnar rigidity are in balance, there will be no buckling of the metal and the installation will last indefinitely.

"COPPER AND COMMON SENSE"

Revere's manual of sheet copper construction, "Copper and Common Sense", describes in detail the research upon which the above statements are based. It is complete with charts, illustrations and detailed information so arranged that you can read and apply final figures that insure the finest sheet metal construction.

"Copper and Common Sense" has been widely distributed to architects and sheet metal contractors, and there is probably a copy in your files. In addition, a Revere Technical Advisor will always be glad to consult with you without obligation.

*Erosion and corrosion seldom cause premature failures in sheet copper construction. When failures do occur, 9 out of 10 of them are due to lack of balance between the length and columnar rigidity of the section.

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THAT NECESSARY EVIL, THE ARCHITECTURAL ENGINEER

By THOMAS H. MCKAIG

I have often been grateful to a friend who has called my attention to a particularly useful magazine article on some subject in connection with my work,—usually in a magazine which does not ordinarily interest me. It occurred to me that you too might be interested similarly in magazines outside the range of the architectural group to which you may subscribe.

The Engineering News-Record frequently contains articles of interest to the Architect. Among other recent articles in which you will be interested is an article in the June 29th issue on a new method of pouring the second floor and roof slabs of a building in San Antonio one directly over the other and on the finished first floor slab, then jacking them bodily into place and welding them there. The article claims a saving of 54 cents a square foot for the system.

If you are interested in swimming pools, either in connection with school design, athletic clubs or municipal playgrounds, there is a 16 page symposium on their design in the August 17, 1950 issue of the Engineering News-Record. It is quite complete and covers size, shape, details, decks and springboards, lighting, bathhouses, showers, water purification and management with a two page statistical summary of information pertaining to 28 pools. All in all it is about the most up-to-date information I know of on this subject.

An article in the July 27, 1950 issue of Engineering News-Record takes up the subject of Lightweight Aggregates and their use. It is based on a pamphlet

recently issued by the U. S. Government Printing Office which carries the result of Bureau of Standard tests. Other articles in Engineering News-Record which I find of value are their Building Cost Index Tables which enable me to follow price trends,—and the Notes on Legal Decisions which, in my opinion, are of particular interest to anyone whose duty it is to write specifications.

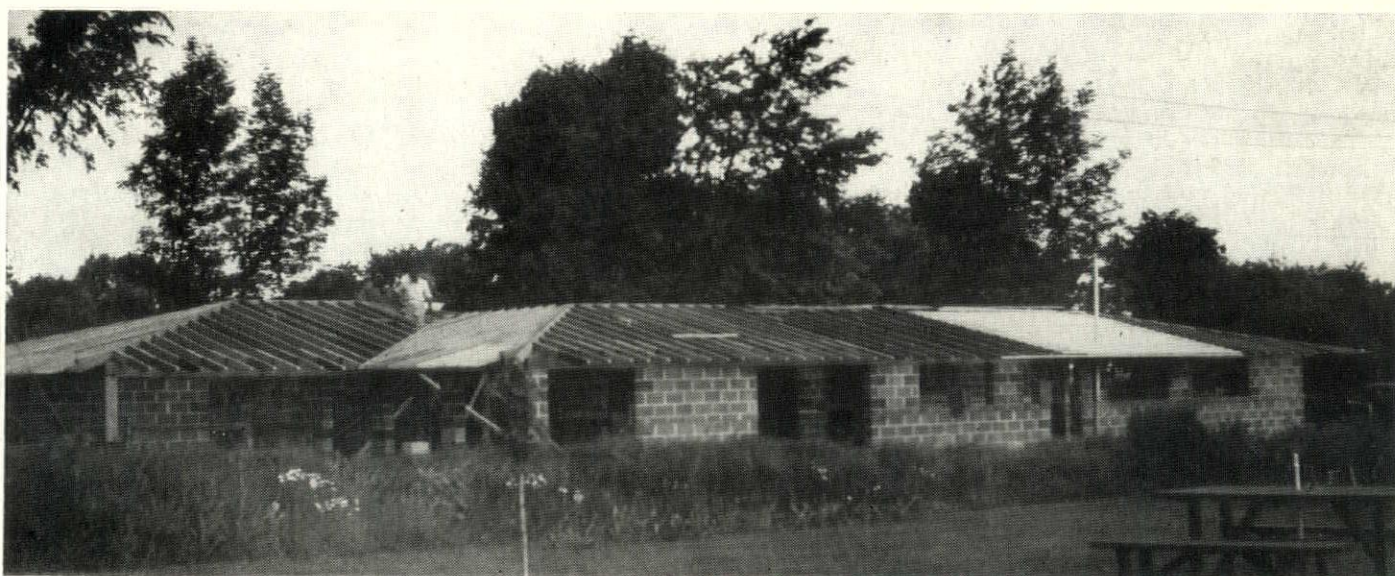
If you do not already subscribe to it, you will be interested in Practical Builder, a magazine which specializes in the practical rather than the artistic side of the profession,—particularly with regard to house construction. I have found that their editorial comments are particularly useful in keeping up with the economics and trends of our building construction industry,—and certainly it is good policy for any architect to keep posted on the reasons for expecting increases or decreases in construction costs. Moreover, it is the only magazine that I have found which gives a lot of space to the thousand and one little details which we all should know but unfortunately we don't. Too often they have been beneath our dignity or something.

Incidentally,—and here is a tip for the editors of our Empire State Architect,—would it not be worth while to devote half a column or so in each issue to a brief summary of the articles of interest to architects in the various architectural and engineering magazines which have appeared in the past two months,—not a complete review but a summary to tell us whether our line of work requires us to look it up and read it?

ROOF TRUSSES *By*

CARTWRIGHT & MORRISON, INC.

HOLCOMB, NEW YORK



James LuValle Residence, Pittsford, N. Y.
Architect: Donald C. Hershey, Rochester, N. Y.
3300 sq. ft. roof area. No bearing partitions.
Cost in place: 61c per sq. ft. roof area.

NEWS OF THE PROFESSION

(Continued)

Architects Plan for Defense

Ralph Walker, President of A.I.A., has announced a comprehensive program to be spearheaded by a new National Defense Committee headed by past president Douglas W. Orr of New Haven, Conn.

Many prominent architects have already been named to the committee and others are being added from among the chairmen of the standing committees of the Institute dealing with nuclear sciences, government relations, schools, hospitals, urban planning, housing, etc.

The committee is now actively at work upon problems relating to government control of building materials, reorganization of public housing, redevelopment and research programs as well as more immediate defense activities.

The committee's present organization was described as "tentative" and suggestions for the development of a comprehensive policy were invited from local chapters of the Institute. Most of the committee's work will eventually be local in character.

Among those already serving on the committee are Howard L. Cheney, Chicago; John Reed Fugard, Chicago; Harold Dana Hauf, New York; Harry M. Prince, New York; Perry Coke Smith, New York; Glenn Stanton, Portland, Oregon; Harold Buckley Willis, Boston; and Kenneth E. Wischmeyer, St. Louis.

Architects, Engineers and City Planners Form Committee to Coordinate Work

An emergency committee to coordinate the services of technical peoples engaged in large-scale construction has been formed under the auspices of the American Institute of Architects. Roy F. Larsen of Philadelphia heads the new committee whose program is hailed as a move toward real and continuing collaboration among architects, civil and mechanical engineers, landscape architects, city planners and others in the design professions.

The immediate objective of the committee is to make it easier for individuals having special technical or professional abilities to be of maximum service to the government in the present emergency. Varying methods of practice and the absence of a clear-cut undersanding of the scope of each of these professions have in the past led to some confusion when collaboration has been attempted. It is believed that with the recommendations of this joint committee as a guide, members of each of the collaborating professions can more clearly determine their respective parts in any specific type of project.

Earliest named members of the executive committee were A. D. Taylor of Cleveland, Ohio, representing the American Society of Landscape Architects and S. Logan Kerr of Philadelphia, Pa., representing the American Society of Mechanical Engineers. Representatives of the American Institute of Planners, The American Society of Civil Engineers, the National Society of Professional Engineers and the American In-

stitute of Decorators attended the organization meeting and the American Institute of Electrical Engineers have been invited to participate in the future work of the group.

Architects Pledge Cooperation with Civil Defense Authorities

Copies of the following resolution adopted at a July 13 meeting of the Executive Committee of the New York Chapter, A.I.A. have been forwarded by Harry M. Prince, president, to the individuals named in the last paragraph.

RESOLUTION

WHEREAS, plans are being developed to assure the most effective utilization of the City's manpower and protection of the civilian population in the event of war, and

WHEREAS, policies requiring the best technological skills are requisites for such plans and for unifying protective measures and related structural protection; therefore, be it

RESOLVED, that the New York Chapter of the American Institute of Architects, as a result thereof establish a Committee known as the Committee on Civilian Defense, members of which shall be appointed by the President of the Chapter with the recommendations of the Executive Committee to aid and assist in the consummation of these objectives; and be it further

RESOLVED, that a copy of these Resolutions be forwarded to the Honorable Thomas E. Dewey, Governor of the State of New York; General Lucius D. Clay, Chairman of the State Civilian Defense Committee; Honorable William O'Dwyer, Mayor of the City of New York; and Honorable Arthur W. Wallander, City Director of Civil Defense, for their attention and consideration.

NEW YORK, N. Y., JULY 13, 1950

A similar resolution by the Syracuse Society was sent to Governor Dewey, General Clay, the Honorable Thomas J. Corcoran, Mayor of the City of Syracuse, and Colonel Harvey S. Smith, Director of Civil Defense of Onondaga County in which Syracuse is located.

Education

Gilmore D. Clarke, A.I.A. (Hon.) has resigned as Dean of the College of Architecture of Cornell University after twelve years of service. Mr. Clarke will devote his full time to his landscape architecture and engineering practice in New York City. Thomas W. Mackesey, A.I.A., has been appointed Acting Dean.

The Central New York Chapter is establishing a fund to sponsor the attendance of architectural students from Cornell and from Syracuse Universities at the annual A.I.A. conventions. Prizes that the Chapter has offered for some years to students of these schools will be discontinued and the money applied to the convention fund.

The firm of Skidmore, Owings and Merrill has established at Cornell University a scholarship with a value of \$1000 a year for an architectural student. The scholarship will be awarded to a fifth year student on the basis of scholastic performance and professional promise. The first award has been made to Robert F. Gatje of Brooklyn.



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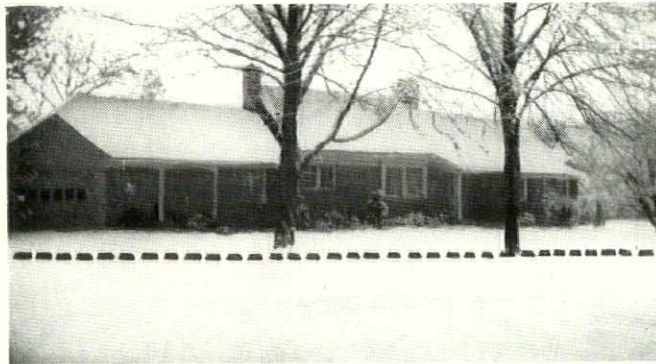


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REASON VS. EMOTION

(Continued)

son of strong, creative urge. This often carries with it intense individuality, a predilection to intuitive judgments, an impatience with scientific processes, and an intense desire for self expression. All these qualities have their values, of course. They shouldn't be suppressed. But if left uncontrolled, they do encourage aesthetic dogmatism instead of discrimination, irresponsible self-expression instead of a realistic acceptance of purposes and limitations.

There are signs that schools are waking up to these difficulties. They are giving more attention to scientific, technological, and analytical studies. There is a more whole-hearted acceptance of structure and equipment as essential and integral factors in design and not just some things that get left to an engineering "George" after all the more architecturally juicy plums have been extracted. More important still, an attitude is developing among students and teachers that re-defines design as an exercise in *all* phases of the process of producing architecture, and not as something predominantly aesthetic. Criticisms and judgments reinforce these attitudes. Some schools have developed for beginners a new kind of Elements of Architecture. It deals, not with superficial decorative details, but with function, space, structure, and visual aspect as essential elements in the design process, amenable to objective analysis and demonstration. It is expected to lay a ground work for the development of discrimination, scientific knowledge, and responsibility for realistic choices, by which the students' creative urge can be guided and controlled. Design problems include the programs of every day life, as something even more worthy of the architect's skill, and more productive of universally good building than the special, the exotic, and the grandiose programs of another day.

It might even be hoped that such kind of training would at least help to make our pursuit of good design more objective. There are occasional hopeful signs. Recently a rampantly individualistic student, who began his thesis with a part of his building on stilts, came to me and said he'd come to the conclusion that there was no logical reason to have it that way except to satisfy an urge to be aesthetically dramatic. He had decided that the reasonable thing to do was to put it down on the ground. Whereupon—marvelous to relate—he discovered that it looked even better! Eventually,—perhaps, we do learn that aesthetic satisfaction is not a first objective, but an end result of building reasonably and well.

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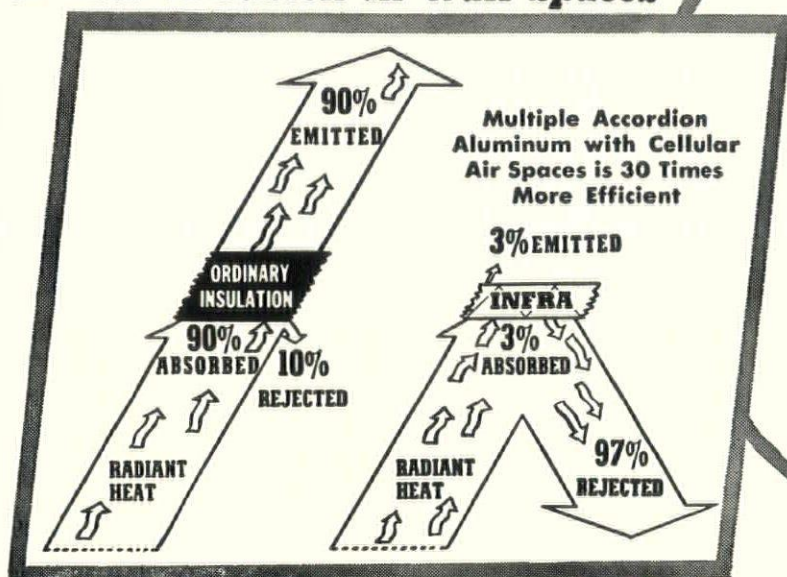
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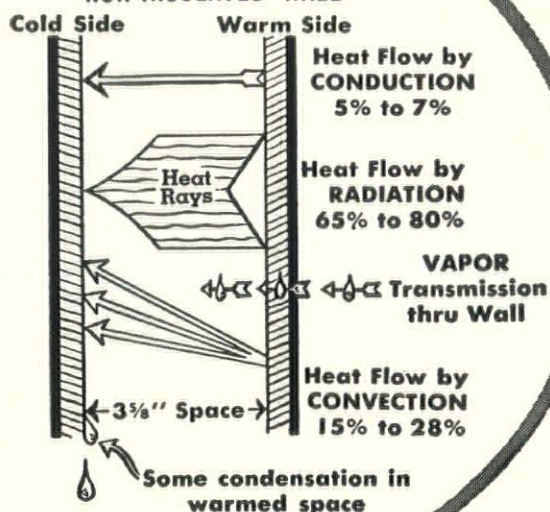
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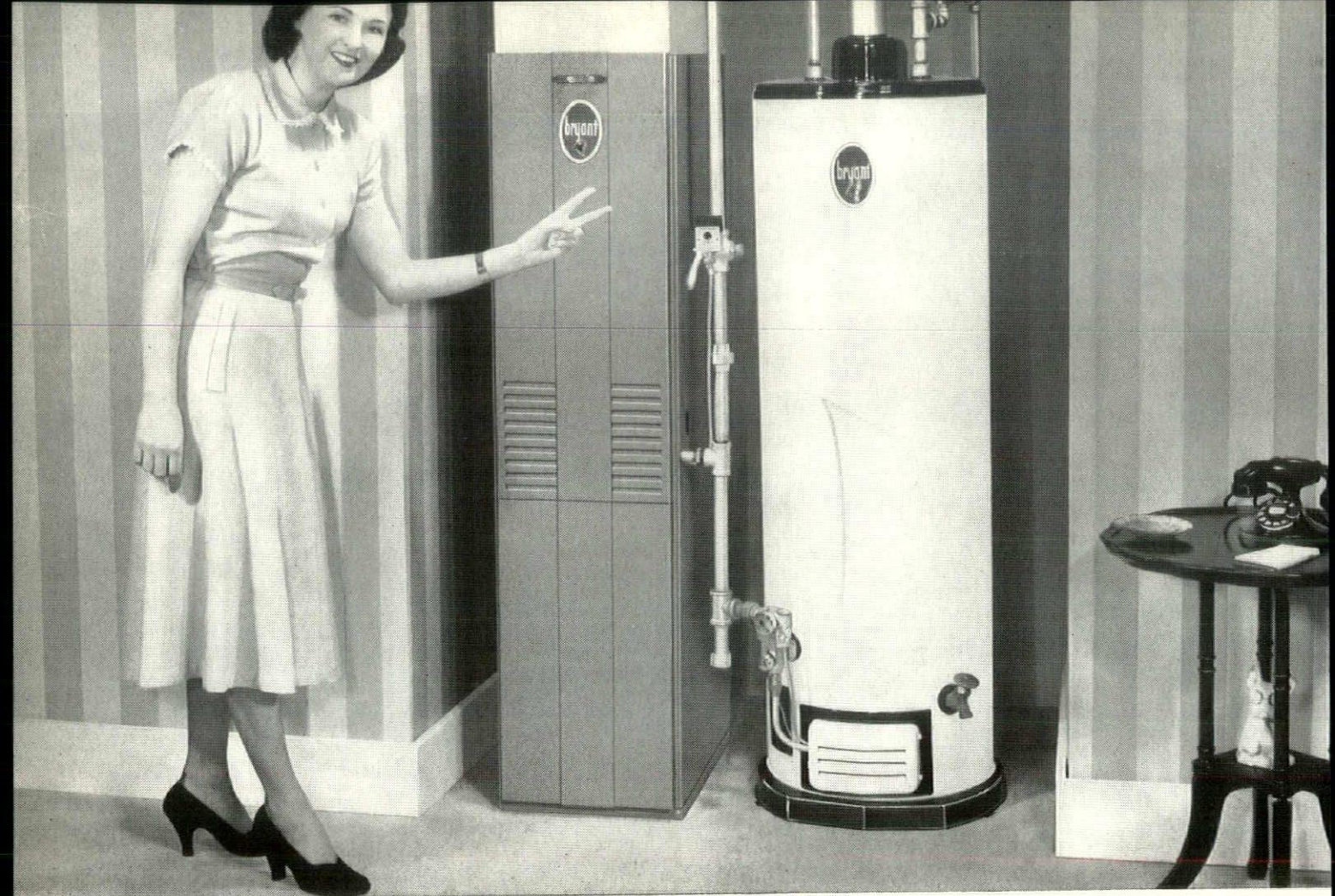
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Light and Color in Architectural Practice

*A paper by Julian E. Garnsey.—United States at the VII Congress of
Pan American Architects—held in Havana, Cuba, April 1, 1950.*

Since space is perceived by human beings almost entirely through the sense of sight, the wise architect will study light and color, his principal tools for expression. In addition, he will investigate the construction of the eye, through which visual impressions are received, and the interpretations given by the brain to those impressions.

He will find, in his studies, that brightness attracts people, that hues exist in a natural order of brightness, and that color intensity draws attention from grayness. These three simple phenomena form the basis for organized thinking in color. He will use them as functional elements of his design, and will coordinate his composition in light and color with that in space arrangement. One of the systems of color organization will be useful to control his procedures.

Yet light and color are not absolutes. Due to the formation of the seeing mechanism, colors within a visual field appear to modify one another, always in the direction of the complimentary, and textures require adjustment to the capabilities of the eye. Also,—various colors give various impressions as to their lo-

cations in space, a phenomenon generally disregarded in the United States.

While functional, rather than decorative, uses of color are more rewarding to designers of space composition, no conflict is inevitable between the two. In fact, by proper adjustment of relative areas, it may be shown that no color relations are completely disagreeable. Areas are all important, and a skillful proportioning of grayness to expanse is necessary. Within the mind,—associations of ideas connected with warm or cool colors are useful to the architect, though the usual lists of color preferences, obtained by survey, may be disregarded.

Light, considered as illumination alone, affects colors and its influence in a proposed design should be carefully evaluated. The source of light, moreover, must contain rays which can be reflected by the object illuminated. Simple equipment can be made to anticipate the effects of various sources. It is also well to remember that reflected light takes with it a tinge of hue which may act undesirably upon the effects desired.



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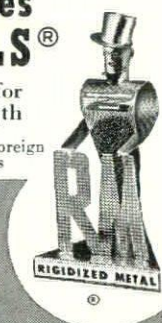
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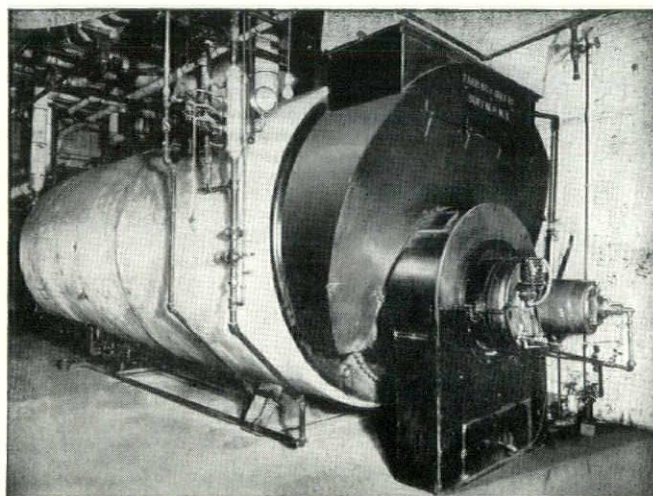
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Research Program

Congressional action to strengthen the government-financed housing research program was called for today by the American Institute of Architects, which described such research as an antidote to rising prices, materials shortages, and other building industry ills that have been intensified by current international uncertainties.

In a letter addressed to Raymond M. Foley, Housing and Home Finance Agency administrator, in charge of the housing research program, the Institute also asked that efforts to retailor the research program in the light of present-day realities be speeded up. It called for particular stress on the technical rather than the economic aspects of housing research.

The statement noted that Congress is now determining the level of future spending for technical investigations of building questions. It described yesterday's report of a Congressional conference committee as a setback to recent progress in this field. The Institute said the report, if adopted by Congress, would have the effect of cutting in half the research projects now carried on by private research agencies with government aid.

"Many universities, research institutions, and such government agencies as the Bureau of Standards and the Forest Products Laboratory, who are now contracting parties for \$1,400,000 worth of housing research projects, must revise their carefully made future plans and assignments of personnel if Congress persists with its off-again, on-again policy," Edmund R. Purves, the Institute's executive director said here today. "This is not the path of scientific progress but of political whim," he commented.

The Institute recalled, in its statement, that when Congress established the research program two years ago it planned to increase its scope gradually and steadily. The program embraces building code reform, measures to standardize building material sizes, and a series of specific inquiries into why concrete blocks crack, what makes basements damp, and other housing defects.

Housing agency officials have signed contracts with the University of Illinois, University of Minnesota, University of Toledo, and Penn State, and other institutions for a decentralized program of studies initiated by the national housing act.

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The Institute's special committee on national defense recently took the position that the defense emergency demands more housing research rather than less. It stated that more building, faster building, more economical building, and the conservation of building materials, all hinged on the results of technical housing research.

Education Survey—A.I.A.

The 1950 Survey of the Architectural Profession conducted by the Institute's specially appointed Commission will send out early in September a questionnaire to all AIA members and all other registered architects. This will be the major contribution requested of the members of the profession and will provide to the Commission basic information and opinions regarding education, professional practice and registration.

The questionnaire has been very carefully designed for brevity, clarity and ease of answering. It is essential to the value of the data that *all* architects respond promptly. The questionnaire will be anonymous, with a numbered key to the confidential master mailing list to be available to only three members of the Commission for checking certain items, if necessary. This factual material will be essential background for the most complete analysis of the profession ever undertaken and will provide valuable guidance to educators, registration boards and the Institute.

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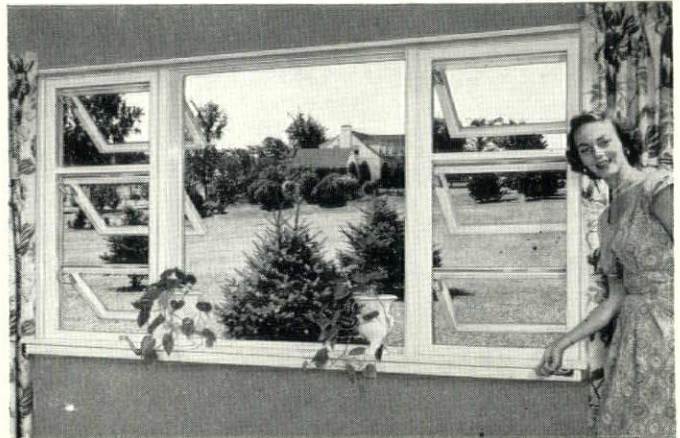
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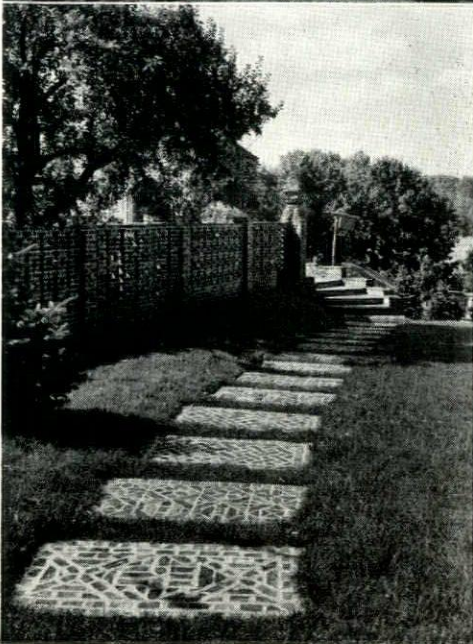
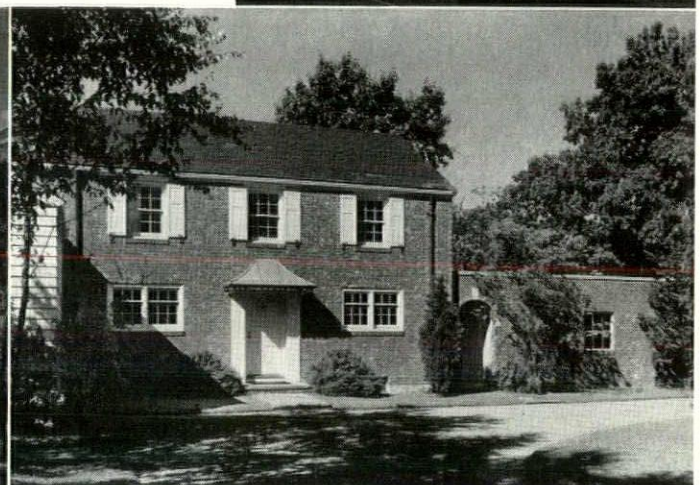
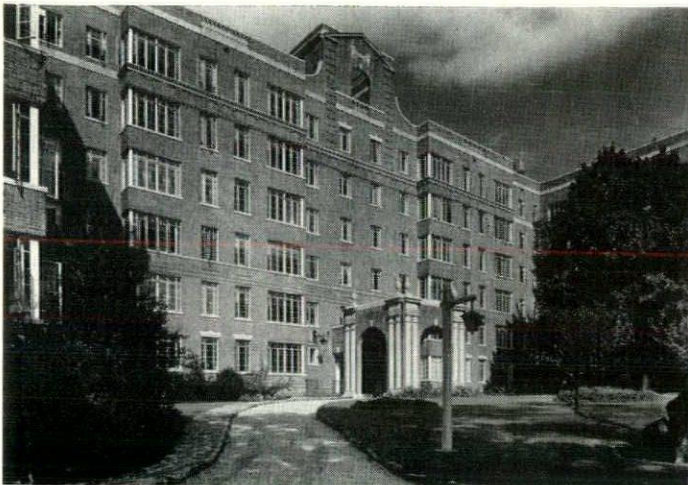
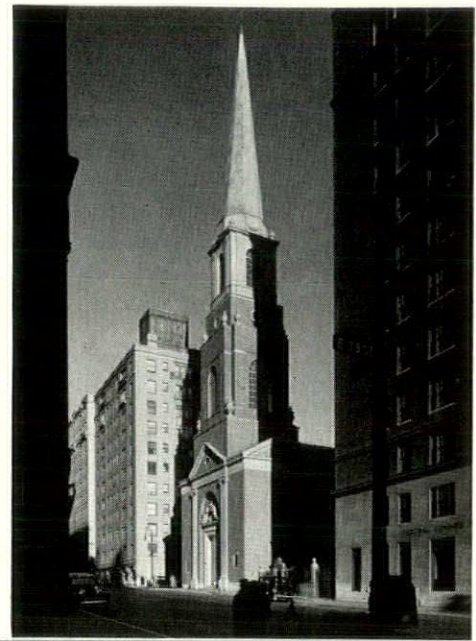
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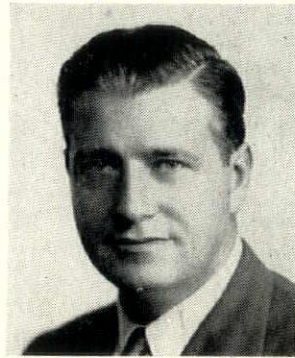
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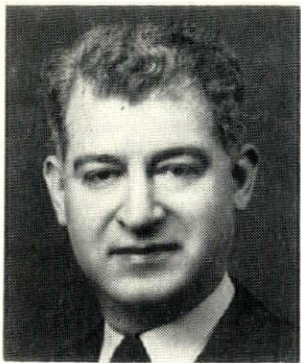
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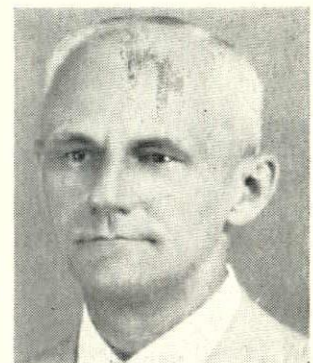
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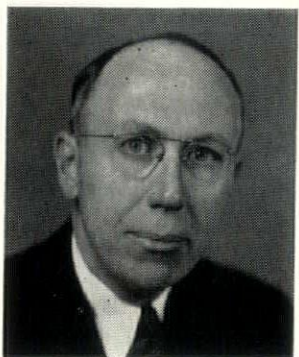
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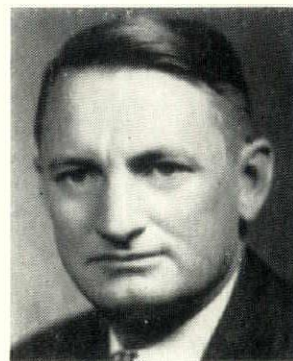
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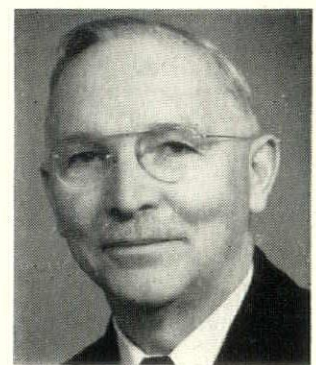
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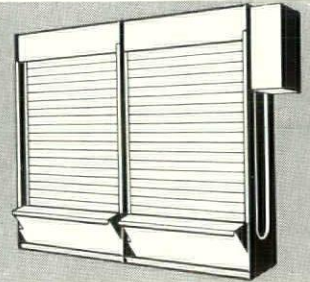
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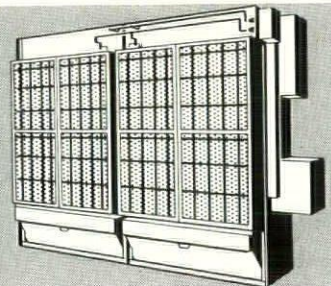


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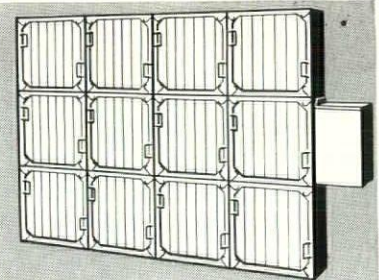
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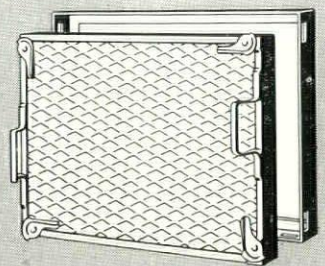
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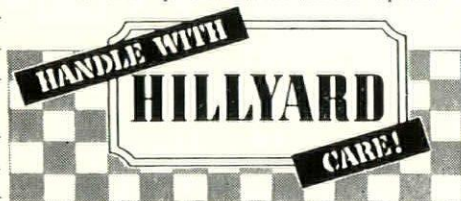
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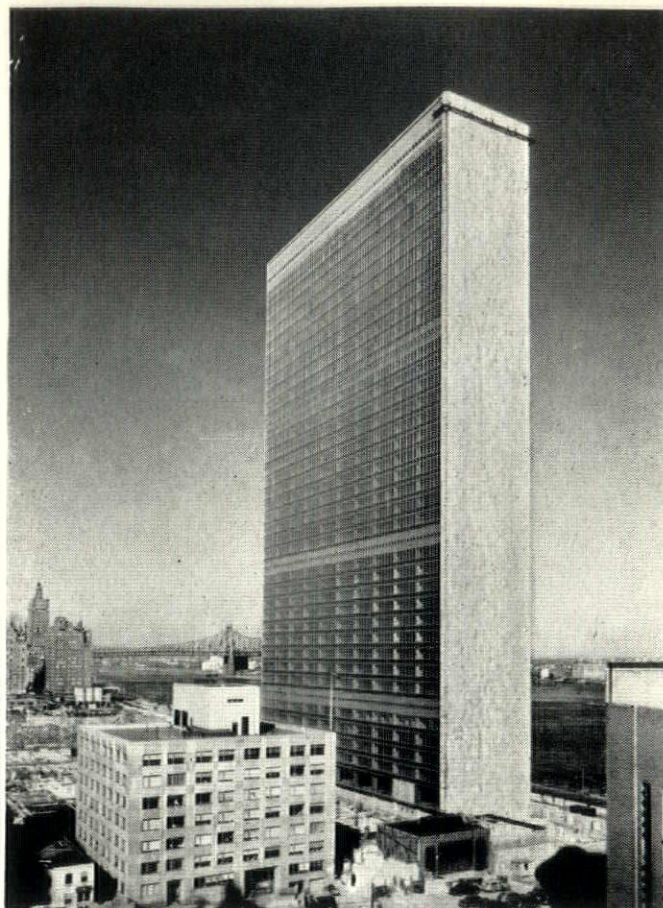
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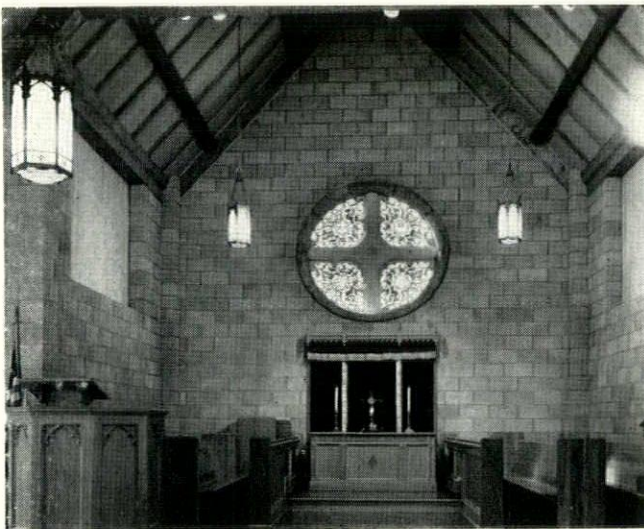
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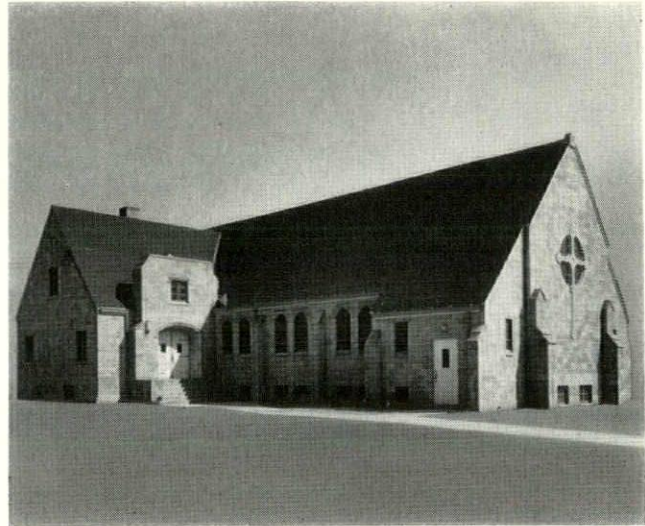
Shown on these pages are two of New York State's newest churches . . . dignified, stately structures that capture the ancient feeling of the church . . . in which Lightweight Concrete Masonry Units are the predominant building material.

They are the Riverside Presbyterian Church in Niagara Falls, N. Y., and St. Margaret Mary Church and Rectory in Irondequoit, N. Y., a suburb of Rochester.

The modified Gothic-style Niagara Falls Church is the first structure in the state in which colored Celocrete Lightweight Masonry Units were utilized. Five shades of color, including natural, were blended into the exterior and interior walls of the church resulting in a striking, beautiful edifice.



Stately interior of Riverside Presbyterian Church, Niagara Falls, featuring Colored Lightweight Concrete Masonry Units.



Riverside Presbyterian Church, Niagara Falls, N. Y. Architect: Charles F. Obenhack, Niagara Falls, N. Y. Contractor: C. C. Bremer Co., Niagara Falls, N. Y. Colored Lightweight Concrete Masonry Units supplied by Anchor Concrete Products, Inc., Buffalo, N. Y.

THE church, 88' long by approximately 32' wide, has a seating capacity of 215, plus a balcony. The Nave is 29' in width and 48' long. The sidewalls of the church are 10'4" high.

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Besides the main auditorium, church classrooms and a recreation hall are located in the basement, with additional classrooms on the second floor, and a nursery and office behind the Nave.

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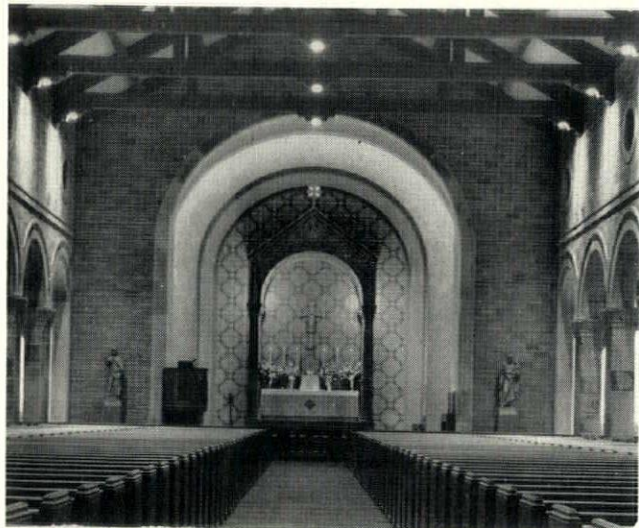
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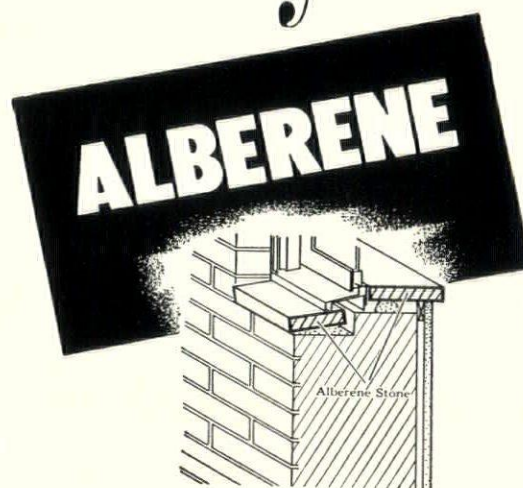
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Single Strength AA, A, B quality	.085-.100	90 united in.	1.22	Clear
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Double Strength Greenhouse quality	.115-.133	16 x 18 16 x 24 18 x 20 20 x 20	1.625	Clear
3/16 Heavy Sheet AA, A, B quality	.182-.205	76 x 120	2.5	Clear
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Polished Plate Glass	1/8 13/64 1/4	72 x 74 72 x 74 124 x 170	1.64 2.65 3.27	Clear
3 Qualities: Silvering, Glazing, Mirror Glazing	3/8 1/2 5/8 3/4 7/8 1 1 1/4	120 x 150 100 x 150 80 x 140 80 x 130 40 x 100 40 x 100 40 x 100	4.90 6.54 8.17 9.81 11.44 13.08 16.25	Clear
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Golden Plate Glass	1/4	100 x 150	3.27	Golden
Color Clear* Plate Glass	1/8 1/4	40 x 80 70 x 140	1.64 3.27	
Tuf-flex* Tempered Plate Glass	1/4 thru 1/2 5/8 thru 1 1/4	56 x 108 40 x 100	3.25 to 16.25	Clear and same as Colored Plate Glass
Mirropane* Transparent Mirror	1/8 13/64	30 x 60 30 x 60	1.64 2.65	
Vitrolite* Structural Glass	11/32 7/16 3/4	Depending upon Usage	4.40 5.6 10.2	Sky Blue, Cadet Blue, Jade, Cactus Green, Light Gray, Dark Gray, Peach, Alamo Tan, Mahogany, White, Red, Black
Blue Ridge Patterned Glass	1/8 7/32 3/8 1/2	48 x 132† 48 x 136 48 x 90 48 x 90	1.75 2.75 5.0 6.0	Clear Translucent Obscure
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Aklo Heat- Absorbing Unwired	1/8 1/4	32 x 132 32 x 132	1.75 3.0	Blue Green, Translucent Obscure
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Bullet Resisting Glass	3/4, 7/8, 1, 1 1/8 1 3/16, 1 1/2, 1 9/16, 2, 2 3/32, 2 1/2, 3	30 x 72	9.81 to 39.24	Clear
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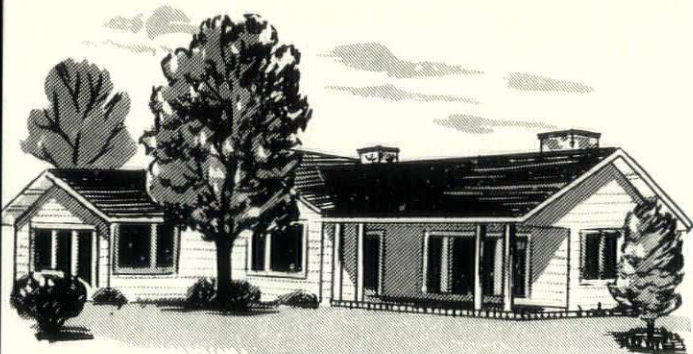
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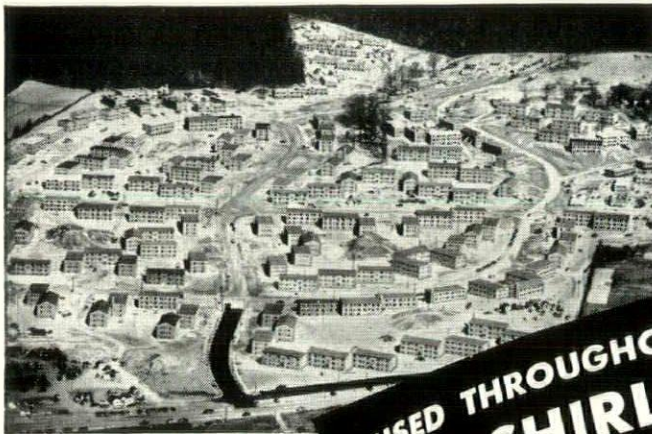


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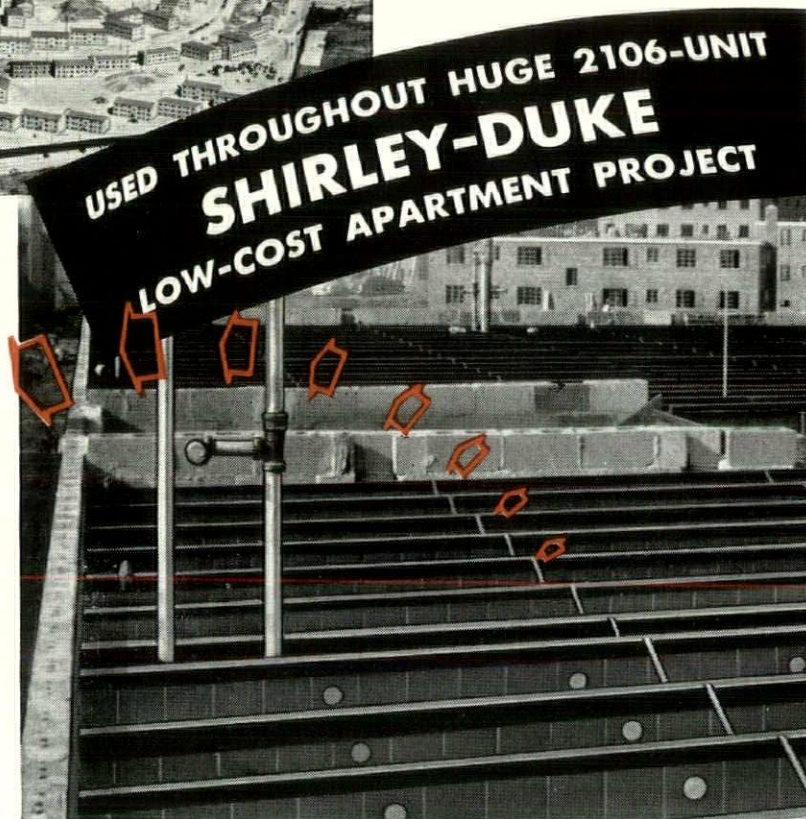
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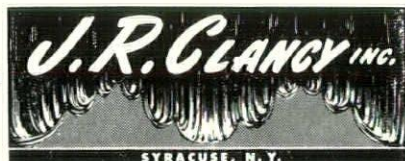
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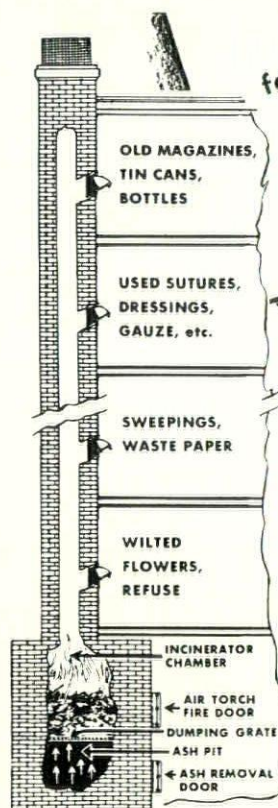
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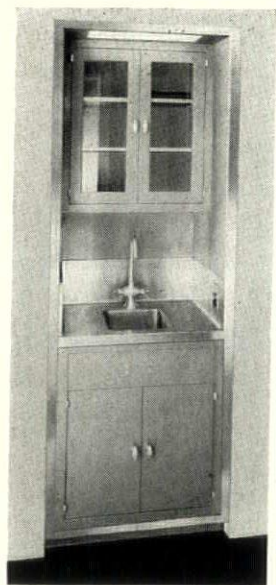
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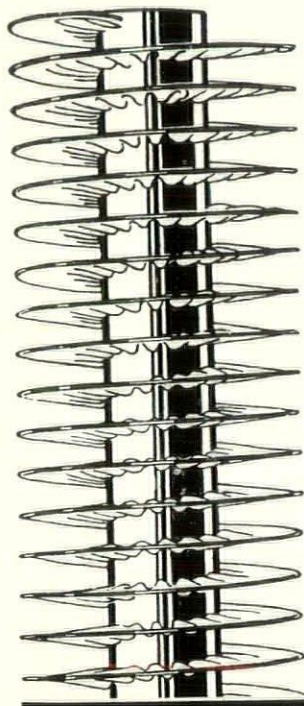
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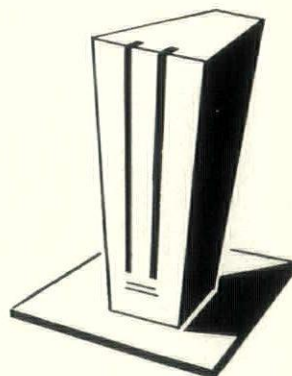
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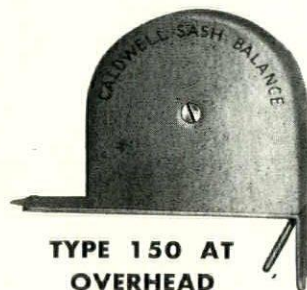
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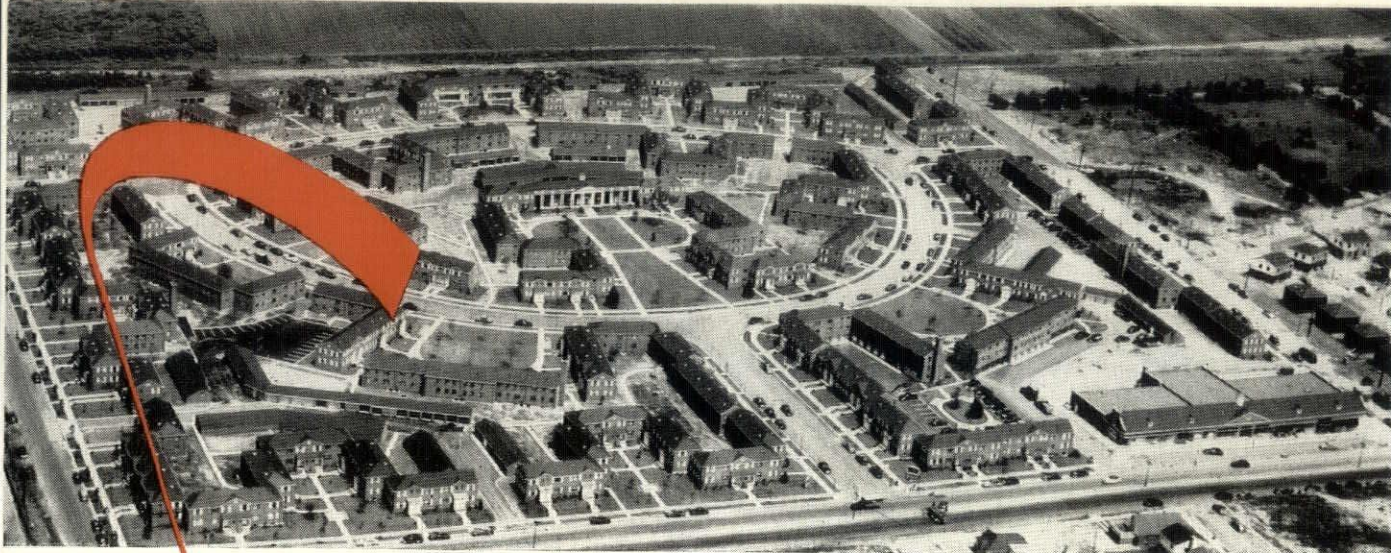
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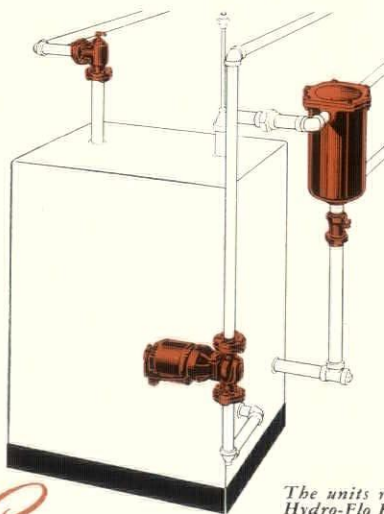
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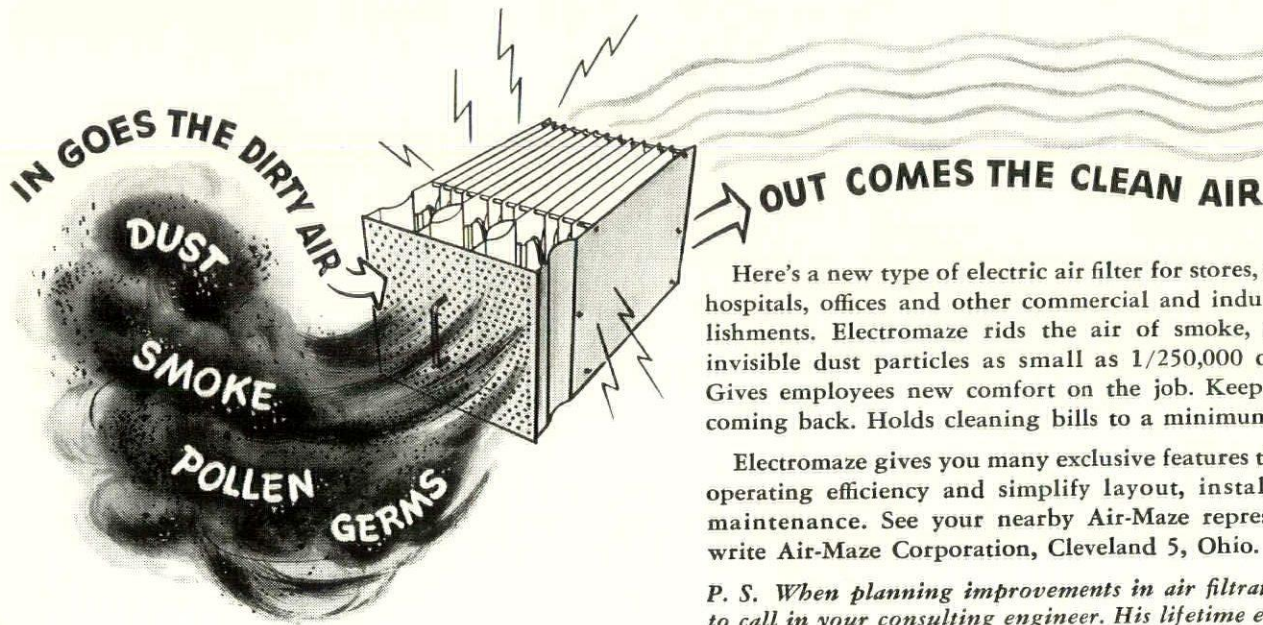
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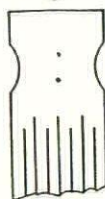


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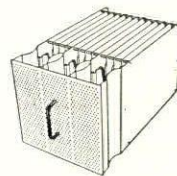
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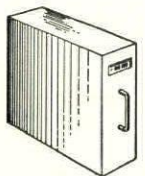
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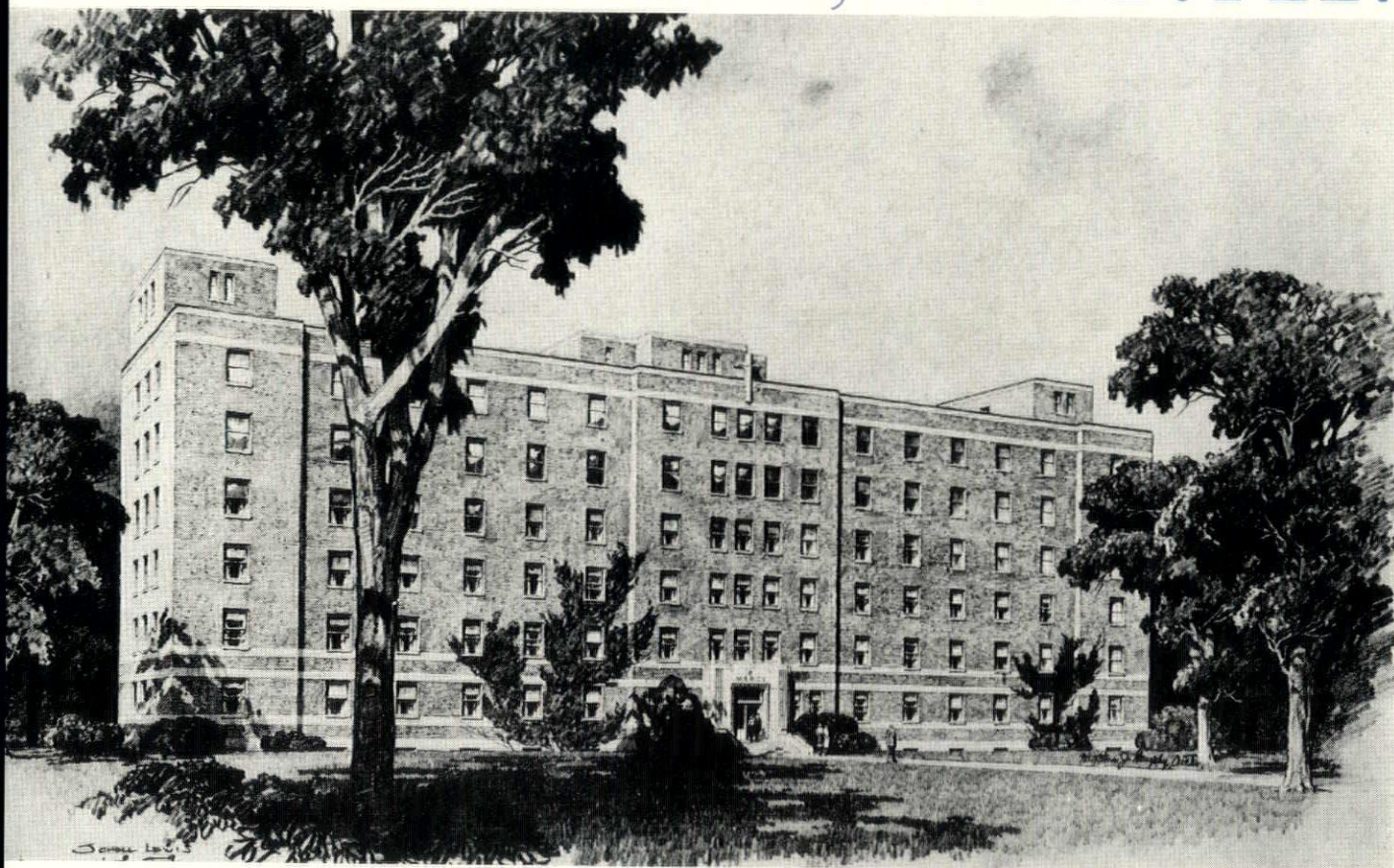
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REPORTING DEVELOPMENTS THAT MAKE BUILDING BUDGETS DO MORE

OCTOBER, 1950

BUILT TO SERVE 100,000 PEOPLE!



KENMORE MERCY HOSPITAL — *Another* SIEGFRIED *Project*

Residents of Kenmore, Town of Tonawanda, Riverside and North Tonawanda will enjoy the advantages of a modern, new hospital with 30 bassinets and all facilities including even a large parking area.

The \$1,500,000 Kenmore Mercy Hospital, pictured above, will cover an area of more than 23 acres. Six stories high, it is expected to serve a population of about 100,000 people. The well-thought-out plans for this outstanding hospital are by Architect Emer J. Murphy.

Siegfried is proud to be carrying out this important project—important both as a building and as the institution it represents. Siegfried is no stranger to institutional construction, having built many of the public buildings on the Buffalo scene.

Siegfried constructive know-how is ready to go to work for you, too—to make your plans a quick, satisfying reality. Fast construction at minimum cost is what you get when you call Elmwood 4124. Thousands of satisfied Siegfried clients can tell you the same thing.

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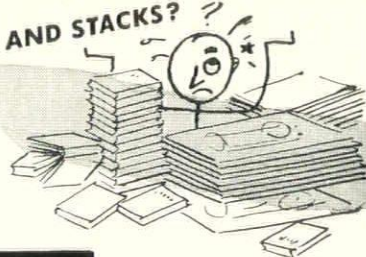
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...AND DRAWINGS?



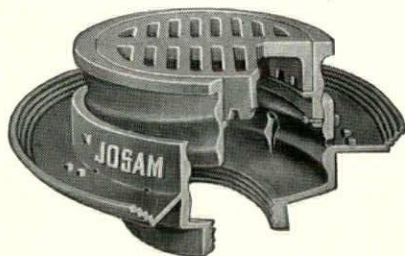
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